

AUDIO-VIDEO SURROUND RECEIVER KR-V7080/V8080 SERVICE MANUAL

KENWOOD

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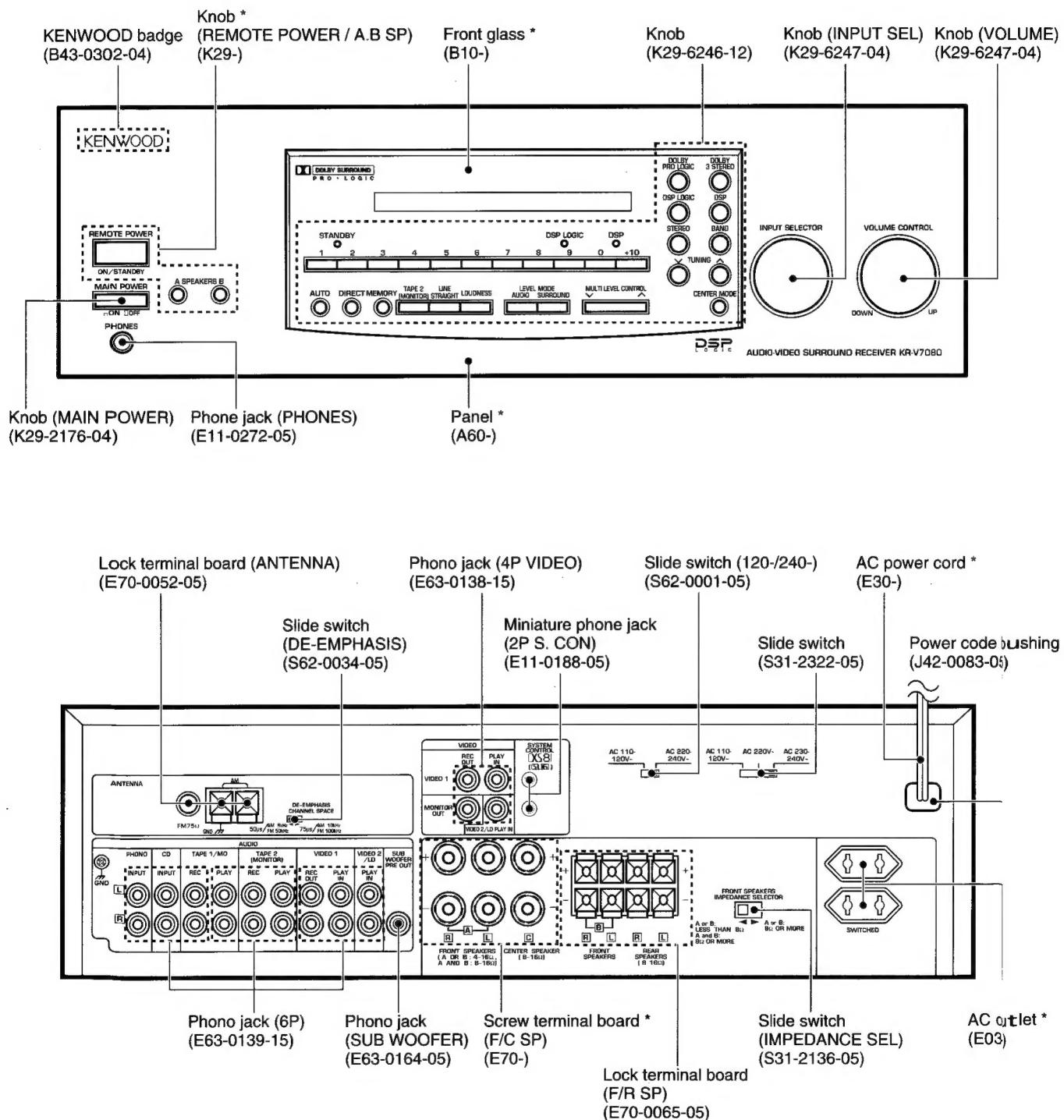


Illustration is KR-V7080.

* Refer to parts list on page 44.

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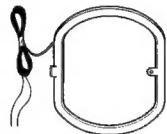
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Accessories

FM indoor antenna(1)
(T90-0810-05)

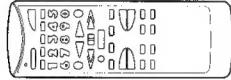


AM loop antenna ass'y(1)
(T90-0195-05)



Loop antenna stand
(J19-3645-05)

Remote control unit(1)
(A70-1042-05) :
RC-R0803 for K,P,Y,X,M,C
(A70-1042-05) :
RC-R0803 for T,E
BATTERY COVER :
(A09-0169-08)



Batteries (R6/AA)(2)
(-)

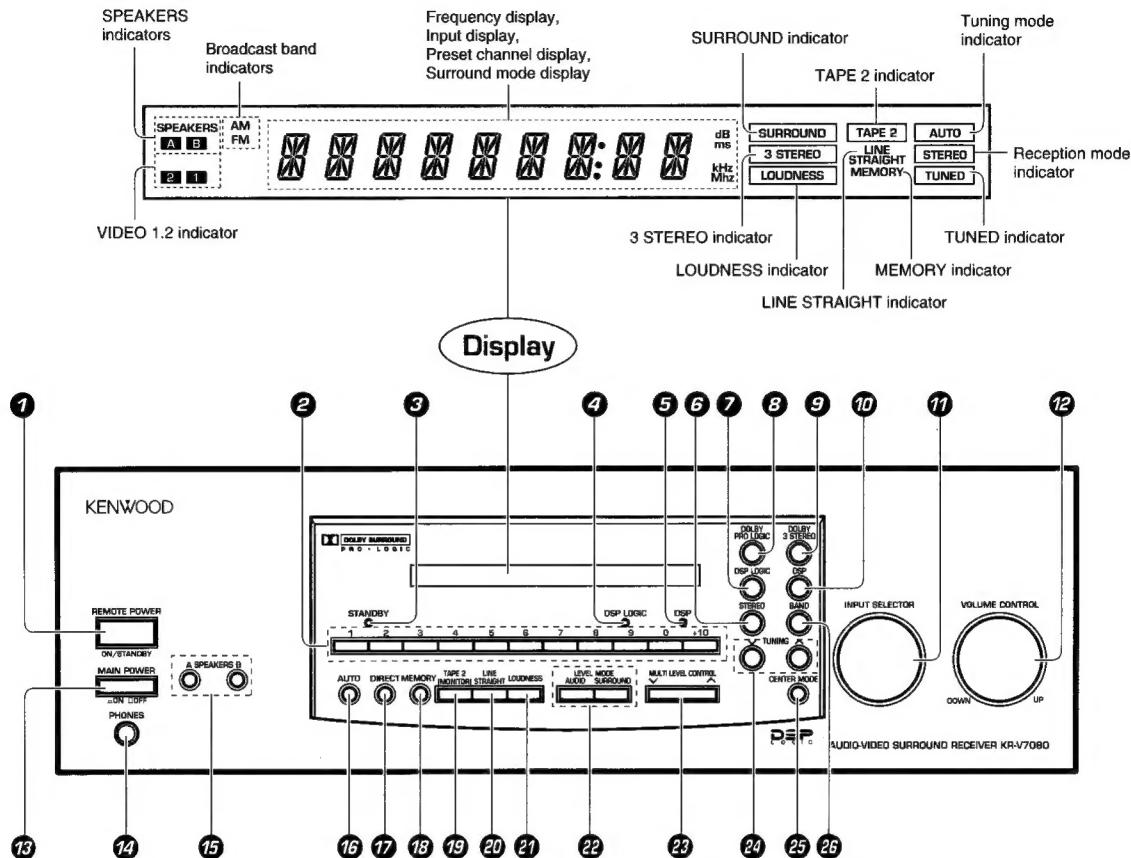


AC plug adaptor(1)
(E03-0115-05) : M only



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CONTROLS



① REMOTE POWER key

Press to switch over the STANDBY/ON modes when the MAIN POWER is ON.

② Numeric keys

③ STANDBY indicator

Lights when the DSP LOGIC mode is ON.

④ DSP indicator

Lights when the DSP presence mode is ON.

⑤ STEREO key

Press to cancel the surround modes.

⑥ DSP LOGIC key

⑦ DOLBY PRO LOGIC key

⑧ DOLBY 3 STEREO key

⑨ DSP key

⑩ INPUT SELECTOR Knob

Turn to select the input sources.

⑪ VOLUME CONTROL Knob

⑫ MAIN POWER switch

Press to switch the main power ON/OFF.

⑬ PHONES jack

Used for headphone listening.

⑭ SPEAKERS A/B keys

Press to select the A and/or B speaker systems.

⑮ AUTO key

Press for select the auto tuning mode.

⑯ DIRECT key

Press for direct station tuning based on numerical input.

⑰ MEMORY key

Press to preset a station in the memory.

⑱ TAPE 2(MONITOR) key

Press to monitor the sound being recorded.

⑲ LINE STRAIGHT key

Press to listen to a source with high quality sound.

⑳ LOUDNESS key

Press to enhance low frequencies.

㉑ LEVEL MODE (AUDIO, SURROUND) keys

AUDIO key :

Press when adjusting the tone.

SURROUND key :

Press when adjusting the surround modes.

㉒ MULTI LEVEL CONTROL key

Press to adjust the tone or surround mode setting.

㉓ TUNING keys

Press to tune broadcast stations.

㉔ CENTER MODE key

Press to select the center mode in the DOLBY PRO LOGIC surround mode.

㉕ BAND key

Press to switch the broadcast band.

STANDBY mode of REMOTE POWER key

When the power cord of this system is plugged in to a power outlet and the MAIN POWER switch is pressed to ON, the STANDBY indicator lights up regardless of the REMOTE POWER key setting. This indicates that a small amount of current is being supplied to the unit to back up the memory contents. This mode is referred to as the Standby mode. While the STANDBY indicator is lit, the power of the system can also be switched ON/OFF from the remote control unit.

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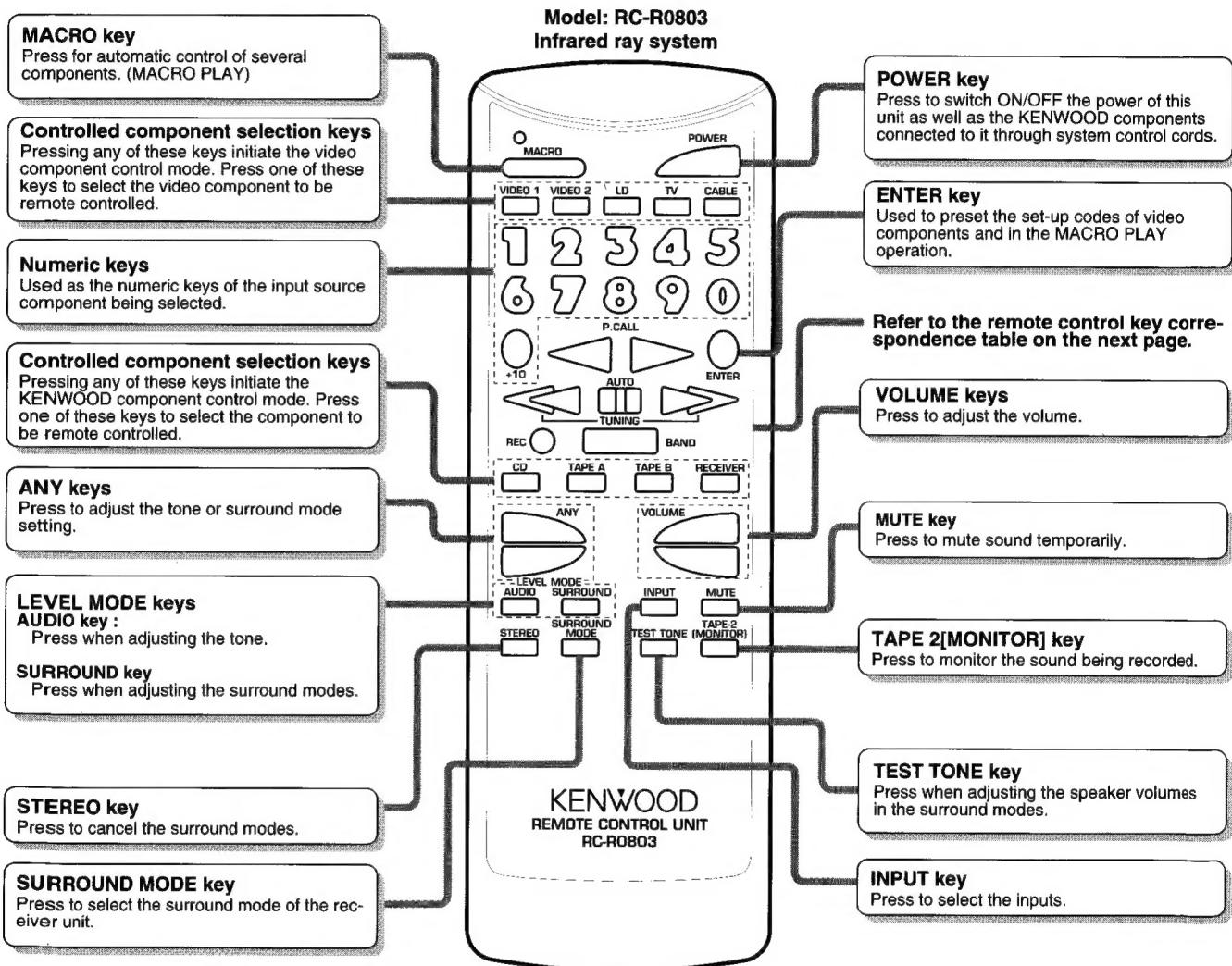
REMOTE CONTROL OPERATION

The remote control unit provided with unit functions in the following two modes so that it can be used to control other KENWOOD system components as well as video components from other manufacturers.

KENWOOD component control mode This mode is used to control the KENWOOD source components including cassette decks and a CD player. (The controlled components must be connected to this unit through system control cords.)

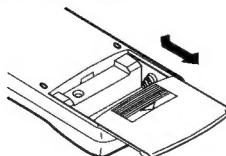
Video component control mode This mode allows to control the basic operations of video components from KENWOOD as well as other manufacturers.

Some of the keys act in different ways depending on the modes described above. Therefor, be sure to adjust the required mode before pressing these keys.

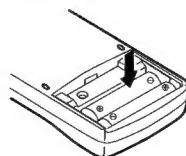


Loading batteries

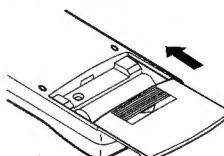
① Remove the cover.



② Insert batteries.



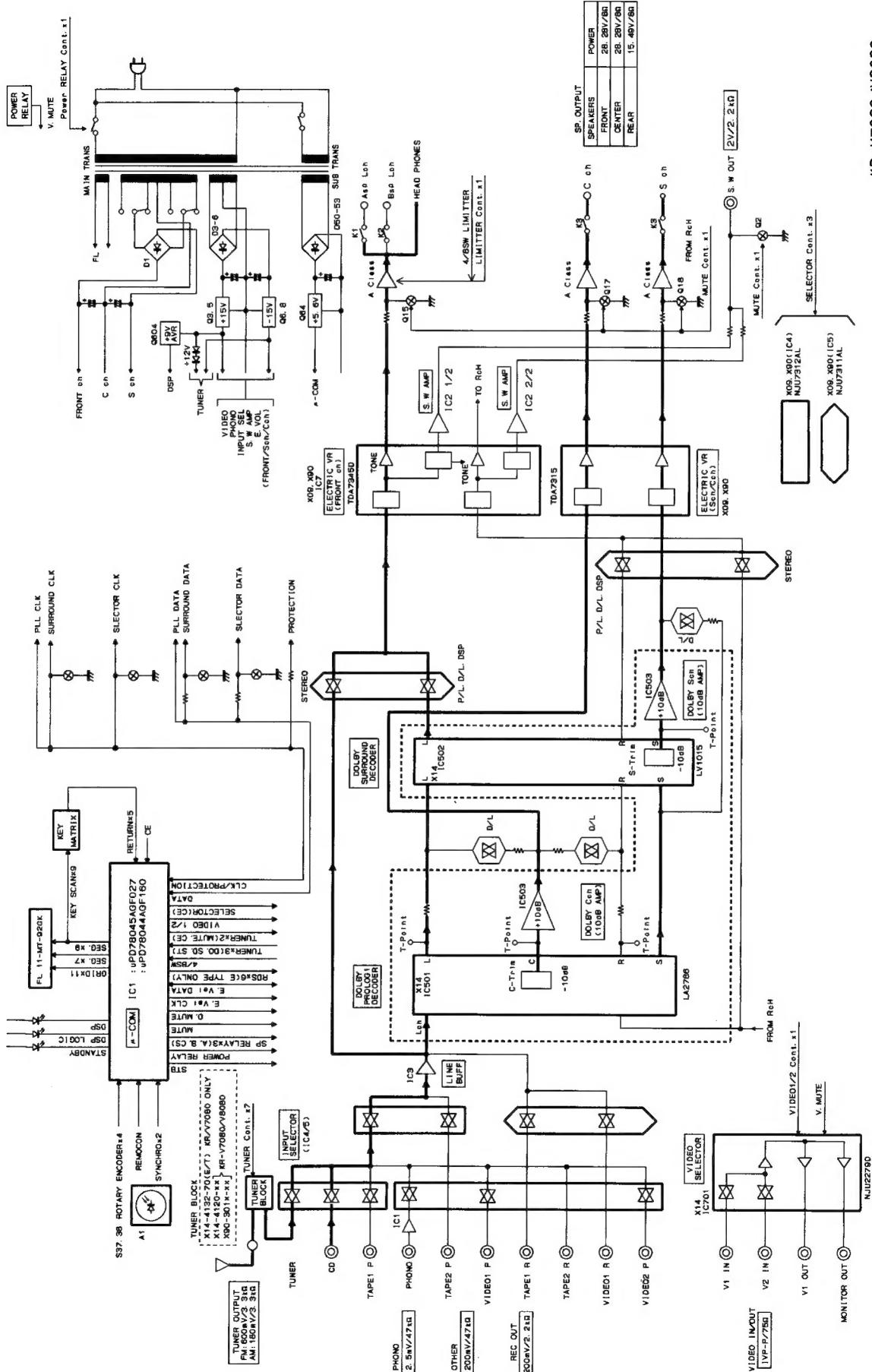
③ Close the cover.



• Insert two AA-size (R6 / SUM-3) batteries as indicated by the polarity marking.

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BLOCK DIAGRAM



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CIRCUIT DESCRIPTION

1. INITIAL STATE

(1) POWER OFF

(2) AMP-related block

- AUDIO SELECTOR TUNER
- VIDEO SELECTOR VIDEO 1
- SPEAKER A ON
- SPEAKER B OFF
- TAPE 2 MONITOR OFF
- LINE STRAIGHT OFF
- AUDIO ADJUST MODE BALANCE
- BASS 0 dB
- TREBLE 0 dB
- SUB WOOFER 0 step
- BALANCE CENTER
- VOLUME 7 step
- LOUDNESS OFF

(3) SURROUND-related block

- SURROUND MODE STEREO
(SURROUND OFF)
- SURROUND ADJUST MODE DELAY
- DELAY TIME
 - DSP/DSP LOGIC 30ms
 - DOLBY PRO LOGIC 20ms
- CENTER LEVEL 0 dB
- REAR LEVEL 0 dB
- CENTER MODE NORMAL
- DSP MODE ARENA
- DSP LOGIC MODE LARGE

(4) Tune-related block

- BAND FM
- FREQUENCY Lower-limit value of
FM (87.50 MHz)
- AUTO MODE AUTO
- P.CH DISPLAY -- CH

(5) TEST PRESET FREQUENCY

Channel	BAND	K1 TYPE	BAND	K2 TYPE	BAND	E TYPE
01ch	FM	87.50MHz	FM	87.50MHz	FM	87.50MHz
02ch	FM	98.00MHz	FM	98.00MHz	FM	98.00MHz
03ch	FM	108.00MHz	FM	108.00MHz	FM	108.00MHz
04ch	AM	630kHz	AM	630kHz	AM	630kHz
05ch	AM	1000kHz	AM	1000kHz	AM	999kHz
06ch	AM	1440kHz	AM	1440kHz	AM	1440kHz
07ch	FM	87.50MHz	FM	87.50MHz	FM	87.50MHz
08ch	FM	87.50MHz	FM	87.50MHz	FM	87.50MHz
09ch	FM	87.50MHz	FM	87.50MHz	FM	87.50MHz
10ch	FM	89.10MHz	FM	89.10MHz	FM	89.10MHz
11ch	FM	90.00MHz	FM	90.00MHz	FM	90.00MHz
12ch	FM	97.50MHz	FM	97.50MHz	FM	97.50MHz
13ch	FM	98.50MHz	FM	98.50MHz	FM	98.50MHz
14ch	FM	106.00MHz	FM	106.00MHz	FM	106.00MHz
15ch	AM	530kHz	AM	530kHz	AM	531kHz
16ch	AM	990kHz	AM	990kHz	AM	990kHz
17ch	AM	1700kHz	AM	1610kHz	AM	1602kHz
18ch	FM	87.50 MHz	FM	87.50MHz	FM	87.50MHz
19ch	FM	87.50MHz	FM	87.50MHz	FM	87.50MHz
20ch	FM	87.50MHz	FM	87.50MHz	FM	87.50MHz

The initial setting is performed in a following event :

1. When backup memory data is destroyed when reset is applied to the microprocessor.
2. When the power cord is plugged in to the AC wall outlet while pressing the POWER key.

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CIRCUIT DESCRIPTION

2. BACKUP

This function holds the current state of the unit even if the AC power of the AV receiver is turned OFF.

(1) Operation outline

The backup state set command signal (CE) of a microcomputer is set low when the AC power is turned OFF. The microcomputer detects the signal and enters the stop state.

The microcomputer is reset when the AC power is turned ON. The data for backup state confirmation is checked by reset processing.

The microcomputer is initialized when the data was destroyed. If it is not destroyed, the microcomputer is started in the backup state.

- The data for backup state confirmation is written in a RAM area.
- The microcomputer is set to the STOP mode so as to save the power consumption.
- A backup state set command signal is detected by a timer interrupt of 1 msec.
- The backup guarantee period is set in a circuit.

(2) Backup state setting

- The data (A596H/5A69H) for backup state confirmation is written in a RAM area.
- Setting the special function port

Set the input/output port of a serial interface to the serial interface operation stop mode. Set the FIP controller to the display OFF mode.

- Setting the microcomputer's internal special function

Set all the interrupt enable flags to the disable state, respectively. Set the microcomputer to the STOP mode and stop the system clock oscillation of the microcomputer.

(3) Contents of backup data to be held

- POWER ON/OFF state
- VOLUME LEVEL data
- BALANCE LEVEL data
- N.B.ON/OFF
- SELECTOR SOURCE

— TUNER —

- LAST BAND
- RECEIVING STATION FREQUENCY data
- PRESET MEMORY data (1ch~40ch)
- AUTO/MANUAL mode

— AMP —

- POWER STANDBY ON/OFF
- SELECTOR SOURCE
- VIDEO OUT SOURCE
- TAPE2 MONITOR ON/OFF
- SPEAKER A RELAY ON/OFF
- SPEAKER B RELAY ON/OFF
- VOLUME LEVEL VALUE
- AUDIO ADJUST MODE
- BALANCE LEVEL VALUE
- BASS LEVEL
- TREBLE LEVEL
- SUB WOOFER LEVEL
- LINE STRAIGHT ON /OFF
- LOUDNESS ON/OFF

— SURROUND —

- SURROUND MODE
- DSP MODE
- DSP LOGIC MODE
- CENTER MODE
- SURROUND ADJUST MODE
- DELAY TIME
- CENTER LEVEL
- REAR LEVEL

3. PROTECTION

The protection state is entered when abnormality is detected during the POWER-ON sequence.

- The power and speaker are turned OFF when the abnormal state is detected during the POWER-ON sequence.
- The STANDBY LED blinks every 500 msec.
- The fluorescent display indicator goes OFF.

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CIRCUIT DESCRIPTION

4. DESTINATION LIST OF TUNER

Table 4-1 Destination List of Tuner

Destination	BAND	Receive frequency range	channel space	1F	PLL reference frequency	Destination DSW(X14-)		
						DSW2	DSW1	DSW0
						D31	D16	D29
K1	FM	87.5MHz~108.0MHz	100kHz	+10.7MHz	25kHz	0	0	0
	AM	530kHz~1700kHz	10kHz	+450kHz	10kHz			
K2	FM	87.5MHz~108.0MHz	100kHz	+10.7MHz	25kHz	0	0	1
	AM	530kHz~1610kHz	10kHz	+450kHz	10kHz			
E1	FM	87.5MHz~108.0MHz	50kHz	+10.7MHz	25kHz	0	1	1
	AM	531kHz~1602kHz	9kHz	+450kHz	9kHz			
E3 (RDS)	FM	87.5MHz~108.0MHz	50kHz	+10.7MHz	25kHz	1	0	1
	AM	531kHz~1602kHz	9kHz	+450kHz	9kHz			
M	KZ/E1 changes by only setting "DSW1". (DSW 1=0 : K2 Type, 1 : E1 Type)					0	X	1

DIODE SW(DSWX) : 0 = Without DIODE (When static, input LOW)

1 = With DIODE(When static, input HIGH)

X = TRANSISTOR SW (0 = OFF 1=ON)

※ ATTENTION

A SUB WOOFER output signal is output irrespective of SP selector switch (ASP and BSP) ON/OFF setting

The RDS PTY AF search always corresponds to a span search of 100kHz. Therefore, a span search of 50 kHz cannot be performed.

5. TEST MODE

5-1. TEST MODE OF MAIN UNIT

(1) Setting the test mode

The main unit is put into the test mode when the AC power is turned ON while pressing the "TUNING DOWN" key. The following state is obtained when the test mode of the main unit set.

- The power is turned ON automatically.
- All the fluorescent display indicators and LEDs light.
(The all-illuminated state is cleared by pressing any main unit key.)
- The backup state except when the power is turned ON and OFF is initialized.

(2) Canceling the test mode

Turn OFF the AC power.

(3) Tuner functions

- Preset channel call function
- 1) Calls channels 1 to 9 (keys 1 to 9) and channel 10 (key 0) when the 10 key is not operated.
- 2) Calls channels 11 to 19 (keys 1 to 9) and channel 20 (key 0) when the +10 key is operated once.
- 3) Calls channels 21 to 29 (keys 1 to 9) and channel 30 (key 0) when the +10 key is operated two times and calls channels 31 to 39 (keys 1 to 9) and channel 40 (key 0) when the +10 key is operated three times.

4) Shifts to the operation obtained when the +10 key is not operated if it is operated four times.

- S level hexadecimal data display function
With the selector on TUNER, when the "DOLBY PRO LOGIC" key on the main unit is operated, the frequency display ceases and the S level is displayed in hexadecimal while the key is pressed.
When "3 STEREO" is operated, the display is switched to restore the normal display.
- Mute signal output
No Selector MUTE(MUTE 1) control regulation is done whatever.
- With the selector on TUNER, when the "SP A" key on the main unit is operated, the SP A display is erased and ATT is on. If the "SP A" on the main unit is operated again after that, SP A is displayed and ATT is switched OFF. The SP A operation and ATT operation work together and are combined with switching the ATT display ON and OFF.

※ Under the ATT ON/OFF relationship, ATT can not be entered in an AF search in test mode.

The ATT operation is done from ATT OFF.

If SP A was turned OFF with the selector on something other than TUNER, it will come on when TUNER is selected.

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CIRCUIT DESCRIPTION

(4) AMP function

The original function of each key is executed when the SELECTOR mode is set to TUNER. The test mode operation is not performed in this case.

- One touch max, mid, min setting for Audio Level and Surround Level

The variation of Audio Level and Surround Level can be operated by turning the Multi-Level UP or DOWN and, if the selector is on something other than TUNER, max, mid, min settings can be made with the number keys.

1) Max is number key "2"

2) Mid is number key "3"

3) Min is number key "1"

4) The Mid setting is as follows:

Master VOL. DELAY is the initial value

Balance is centered

BASS, TREBLE, SUB-WOOFER, CENTER and REAR are 0 dB or 0 step

Effect is 1 step

(5) EFFECT is 0 step for Min and 2 step for Max.

- One touch settings for Audio Level and Surround Level items

The variation of Audio Level and Surround Level items can be set with respective keys and, if the selector is on something other than TUNER, direct settings can be made with the number keys.

1) Balance is number key "4"

2) Bass is number key "5"

3) Treble is number key "6"

4) Sub-Woof is number key "7"

5) Rear Lever is number key "8"

6) Center Level is number key "9"

7) Delay Time is number key "0"

8) Effect Level is number key "+10"

- TEST TONE operation

Uses the "DIRECT" key instead of the "TEST TONE" key.

- MUTE signal output

Sets the analog muting to OFF at all times. No control is performed in this case. Sets the analog muting to ON in the same way as during normal operation when the front volume is set to the minimum value(-∞ dB).

- Impedance 4/8 selection

No impedance 4/8 display appears in the normal state. Therefore, the SPEAKERS lamp of the fluorescent display indicator is turned ON and OFF in the test mode.

The SPEAKERS lamp is turned ON when the impedance is 4.

The SPEAKERS lamp is turned OFF when the impedance is 8.

- MUTE Operation

Mute operation is toggled ON and OFF by pressing the "AUTO/MANUAL" key.

5-2. SERIAL TEST MODE

(1) Setting the serial test mode

The unit is put into the serial test mode when a serial code "TEST ON" is input during the POWER-ON sequence.

In the 8-bit serial test mode, serial code 71H is input.

In the 16-bit serial test mode, serial code C27FH is input.

- In the serial test mode, all remote control keys and ordinary serial codes are disabled. Only the panel keys perform the same operation as usually.

(2) Canceling the serial test mode

- The serial test mode is canceled to return to the ordinary mode by inputting a "TEST OFF" code. After the ordinary mode was returned, the serial mode is returned to the state before the test mode is entered.

The backup operation is not initialized.

- The serial test mode is also canceled when the AC power is turned OFF.

(3) Cautions

- The serial test code is prescribed as a 16-bit code only.

- The operations below are inhibited in the serial test mode.

Manual tuning UP/DOWN operation

UP/DOWN selection in PTY selection mode

AF search in ATT ON state

The operations mentioned above cannot be guaranteed when they are performed in the serial test mode.

- An identical code is output when the serial test mode code is input.

- A TUNED ON/TUNED OFF code is only output.

(4) The serial test mode codes for ATT ON/OFF operate in the same way as for test mode with the main unit keys.

(SP A also goes ON/OFF as ATT goes on/off.)

- Under the ATT ON/OFF relationship, ATT can not be entered in an AF search in test mode.

The ATT operation is done from ATT OFF.

If SP A was turned OFF with the selector on something other than TUNER, it will come on when TUNER is selected.

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CIRCUIT DESCRIPTION

(5) SERIAL TEST CODE LIST (C2XXH)

TYPE FUNC	AMP							TUNER							
	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E
0	POWER OFF	CD DIRECT OFF	SP B OFF	DUAL SOUND LEVEL1	NB OFF				POWER OFF	0	MEMORY (ENTER)				
1	POWER ON	CD DIRECT ON	SP B ON	DUAL SOUND LEVEL2	OMNI SP ON	FRONT SP ON			POWER ON	1	MAIN				
2	PHONO	CD REC OFF	HIT MASTER OFF	DUAL SOUND LEVEL3	MUTING (-30dB) OFF	FRONT SP OFF			MUTE OFF	2	SUB				
3	CD	CD REC ON	HIT MASTER ON	DUAL SOUND INPUT CD	MUTING (-30dB) ON	C/S SP ON			MUTE ON	3	BOTH				
4	TUNER	SOURCE DIRECT OFF	MOTOR VOL UP	DUAL SOUND INPUT TUNER	NB LEVEL1	C/S SP OFF			AUTO STEREO	4	AF				
5	TAPE (TAPE A)	SOURCE DIRECT ON	MOTOR VOL DOWN	DUAL SOUND INPUT TAPE	NB LEVEL2	C/S MUTE ON			MONO	5	PTY				
6	TAPE2 (TAPE B)	LINE STRAIGHT OFF	MOTOR VOL STOP	DUAL SOUND INPUT MD/DAT	NB LEVEL3	VIDEO5			TUNED OFF	6	DISPLAY				
7	AUX	SINE STRAIGHT ON	DBS/TV	DUAL SOUND INPUT VIDEO	BALANCE Lch MAX	MENU			TUNED ON	7					
8	DAT	LOUDNESS OFF	TAPE2 MONITOR OFF	DUAL SOUND INPUT AV/AUX	BALANCE Lch/Rch CENTER	TONE CONTROL OFF			ACTIVE RECEPTION OFF	8					
9	VIDEO1 (VIDEO)	LOUDNESS ON	TAPE2 MONITOR ON	BGM OFF	BALANCE Rch MAX	TONE CONTROL ON			FL ALL OFF OFF	9					FL ALL OFF OFF
A	VIDEO2	SUB SONIC OFF	VIDEO MUTE ON	BGM ON	L.A.C. MAIN MAX	BASS MIN			FL ALL OFF ON	RF DIRECT	+10				FL ALL OFF ON
B	VIDEO3	SUB SONIC ON	LAC VOL UP	FAN OFF	L.A.C. MAIN/SUB CENTER	BASS MID			ALL ON OFF	ATT ON	BAND FM				ALL ON OFF
C	VIDEO4 (VDP)	SUPER WOOFER OFF	LAC VOL DOWN	FAN ON	L.A.C. SUB MIN	BASS MIX			ALL ON ON	ATT OFF	BAND AM/FM				ALL ON ON
D	MUTE ON (MAIN)	SUPER WOOFER ON	LAC VOL STOP	FAN SPEED LOW	FAN STOP LOW	TREBLE MIN			AMP INITIAL	IF NORMAL	BAND TV/LW				TUNER INITIAL
E	SEL MUTE ON	SPKERA A OFF (FRONT)	DUAL SOUND OFF	FAN SPEED HIGH	FAN STOP HIGH	TREBLE MID			AMP SERIAL TEST OFF	IF NARROW	DOWN				TUNER SERIAL TEST OFF
F	MUTE ALL OFF	SPKERA A ON (FRONT)	DUAL SOUND ON	NB ON		TREBLE MAX			AMP SERIAL TEST ON	DIRECT	UP				TUNER SERIAL TEST ON

 : Sending code

 : Receiving code

(C3XXH)

TYPE FUNC	SURROUND							GE							
	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E
0	POWER OFF	REAR MUTE ON	ASFC MAX	ACOUSTIC BGM	PRESENCE GAME	ECHO 2	SUB WOOFER LEVEL MIN		POWER OFF	EQ JAZZ					
1	POWER ON	MUTE ALL OFF	SEAT POS MIN	CINEMA SCREEN OFF	PRESENCE KARAOKE	PRESENCE HIT MASTER	SUB WOOFER LEVEL MID		POWER ON	EQ FUSION					
2	STEREO BYPASS/ OFF	CENTER LEVEL MIN	SEAT POS MID	CINEMA SCREEN 1	F.2ch	THX	SUB WOOFER LEVEL MAX		MUTE OFF	EQ MOVIE					
3	DOLBY SURROUND NORMAL/WID	CENTER LEVEL MID	SEAT POS MAX	CINEMA SCREEN 2	DOLBY SURROUND (PHANTOM)	MONO			MUTE ON						
4	DOLBY 3 STEREO	CENTER LEVEL MAX	WALL MIN	CINEMA SCREEN 3	DEPTH OFF	INPUT LEVEL MIN			EQ OFF						
5	DSR	REAR R LEVEL MIN	WALL MID	CH MODE 2ch	DEPTH ON	INPUT LEVEL MID			EQ ON						
6	DSP LOGIC	REAR R LEVEL MID	WALL MAX	CH MODE 3ch	DEPTH MODE VOCAL	INPUT LEVEL MAX			M1 (ALL CEN)						
7	S.4ch	REAR R LEVEL MAX	ROOM SIZE MIN	CH MODE 4ch	DEPTH MODE INSTRUMENT	FRONT L LEVEL MIN			M2 (ALL MAX)						
8	F.4ch	DELAY TIME MIN	ROOM SIZE MID	CH MODE 5ch	DEPTH LEVEL MIN	FRONT L LEVEL MID			M3 (ALL MIN)						
9	CENTER MODE NORMAL	DELAY TIME MID	ROOM SIZE MAX	DSP THROUGH	DEPTH LEVEL MID	FRONT L LEVEL MAX			FL ALL OFF OFF	EEPROM TEST					FL ALL OFF OFF
A	CENTER MODE WIDE	DELAY TIME MAX	STEREO (KARAOKE)	DSP ARENA	DEPTH LEVEL MAX	FRONT R LEVEL MIN			FL ALL OFF ON	EEPROM TEST OK					FL ALL OFF ON
B	CENTER MODE PHANTOM	(PRESENCE) EFFECT LEVEL MIN	MULTI (KARAOKE)	DSP JAZZ CLUB	SIR(OMNI) MUTE ON	FRONT R LEVEL MID			ALL ON OFF	EEPROM TEST NG					ALL ON OFF
C	TEST TONE OFF	(PRESENCE) EFFECT LEVEL MID	HIFI MULTI (KARAOKE)	DSP STADIUM	DSP LOGIC LARGE	FRONT R LEVEL MAX			ALL ON ON	LINE ON					ALL ON ON
D	TEST TONE ON	(PRESENCE) EFFECT LEVEL MAX	NORMAL (KARAOKE)	PRESENCE DISCO THEQUE	DSP LOGIC SMALL	REAR L LEVEL MIN			SURROUND INITIAL	TAPE ON					GE INITIAL
E	FRONT MUTE ON	ASFC MIN	ACOUSTIC NON DIREC	PRESENCE CHURCH	ECHO OFF	REAR L LEVEL MID			SURROUND SERIAL TEST OFF	EQ POP					GE SERIAL TEST OFF
F	CENTER MUTE ON	ASFC MID	ACOUSTIC NON DIREC	PRESENCE HOVIE	ECHO 1	REAR L LEVEL MAX			SURROUND SERIAL TEST ON	EQ ROCK					GE SERIAL TEST ON

 : Sending code

 : Receiving code

KR-V7080/V8080

CIRCUIT DESCRIPTION

(C4XXH)

H L	VOLUME LEVEL															
	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	VOLUME 0	VOLUME 16	VOLUME 32	VOLUME 48	VOLUME 64											
1	VOLUME 1	VOLUME 17	VOLUME 33	VOLUME 49	VOLUME 65											
2	VOLUME 2	VOLUME 18	VOLUME 34	VOLUME 50	VOLUME 66											
3	VOLUME 3	VOLUME 19	VOLUME 35	VOLUME 51	VOLUME 67											
4	VOLUME 4	VOLUME 20	VOLUME 36	VOLUME 52	VOLUME 68											
5	VOLUME 5	VOLUME 21	VOLUME 37	VOLUME 53	VOLUME 69											
6	VOLUME 6	VOLUME 22	VOLUME 38	VOLUME 54	VOLUME 70											
7	VOLUME 7	VOLUME 23	VOLUME 39	VOLUME 55	VOLUME 71											
8	VOLUME 8	VOLUME 24	VOLUME 40	VOLUME 56	VOLUME 72											
9	VOLUME 9	VOLUME 25	VOLUME 41	VOLUME 57	VOLUME 73											
A	VOLUME 10	VOLUME 26	VOLUME 42	VOLUME 58	VOLUME 74											
B	VOLUME 11	VOLUME 27	VOLUME 43	VOLUME 59	VOLUME 75											
C	VOLUME 12	VOLUME 28	VOLUME 44	VOLUME 60	VOLUME 76											
D	VOLUME 13	VOLUME 29	VOLUME 45	VOLUME 61	VOLUME 77											
E	VOLUME 14	VOLUME 30	VOLUME 46	VOLUME 62	VOLUME 78											
F	VOLUME 15	VOLUME 31	VOLUME 47	VOLUME 63												

: Sending code

: Receiving code

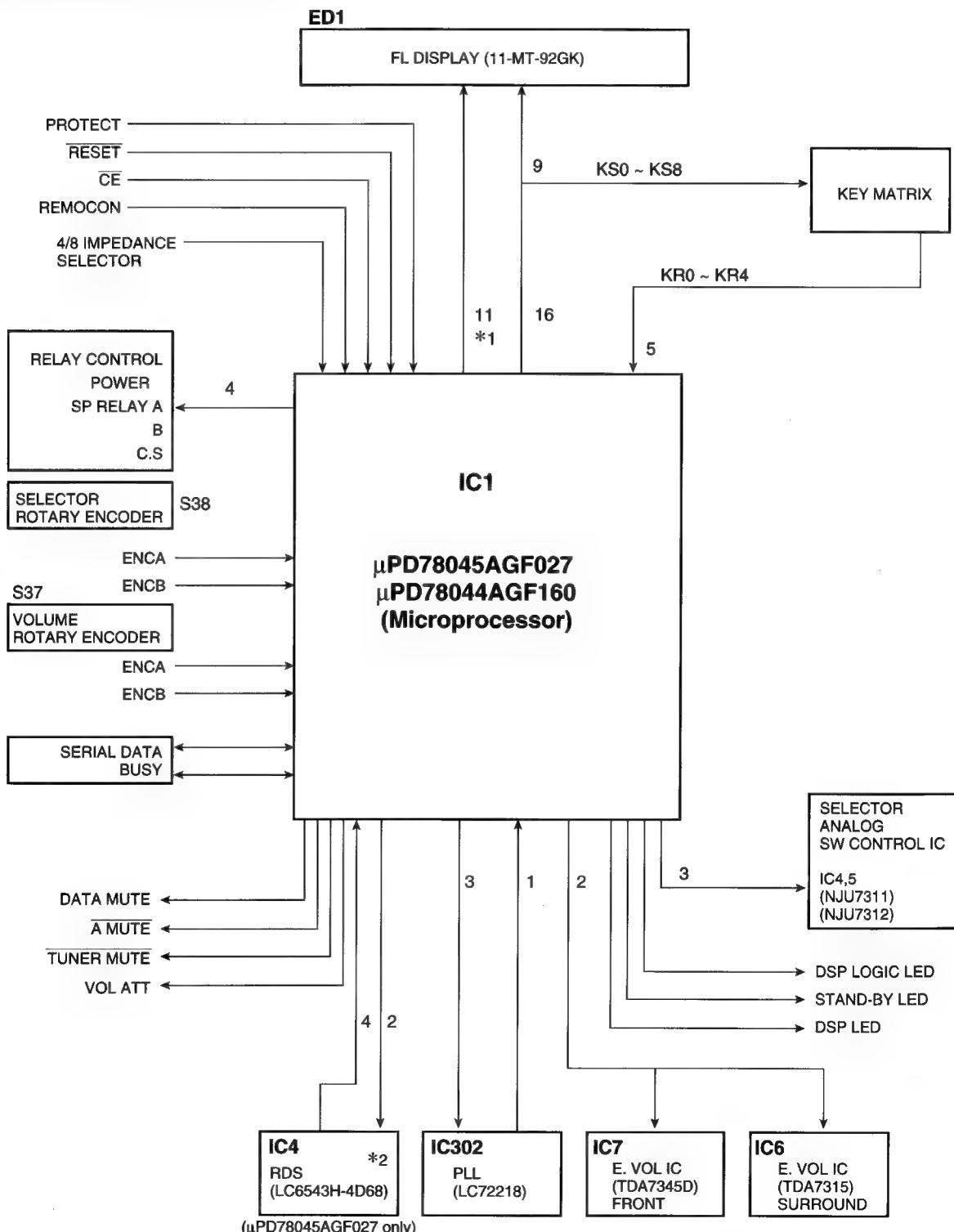
KR-V7080/V8080

CIRCUIT DESCRIPTION

6. Microprocessor : μ PD78044AGF160 (X14 : IC1)
 μ PD78045AGF027

Block diagram

μ PD78044AGF160 [K, P, M, X, Y, type]
 μ PD78045AGF027 [E, T type]



*1 GRID to FL

*2 E3 Type (RDS feature installed) used RDS cynic microprocessor (LC6543H-4D68).

KR-V7080/V8080

CIRCUIT DESCRIPTION

6-1. PIN FUNCTION

Pin NO.	Pin name	Port I/O	Name	Description	Active
1	P94/FIP6	O	5G	FL grid 5	—
2	P93/FIP5	O	6G	FL grid 6	—
3	P92/FIP4	O	7G	FL grid 7	—
4	P91/FIP3	O	8G	FL grid 8	—
5	P90/FIP2	O	9G	FL grid 9	—
6	P81/FIP1	O	10G	FL grid 10	—
7	P80/FIP0	O	11G	FL grid 11	—
8	Vcc	—	VDD	Micro processor power supply	—
9	P27/SCK0	I/O	PROTECT/CLK	IN : Protection detection OUT : Control IC clock	H : ON
10	P26/S00/SBI	—	DATA	OUT : PLL IC/Selector IC/Surround IC control data	—
11	P25/S10/SB0	O	SUR ST.	Surround IC strobe	H : NORMAL L : TRANSFER
12	P24/BUSY	O	SEL ST.	Selector IC strobe	H : NORMAL L : TRANSFER
13	P23/STB	O	POWER RELAY	Power relay control	H : ON
14	P22/SCK1	O	SP B RELAY	Speaker B relay control	H : ON L : OFF
15	P21/S01	O	SP A RELAY	Speaker A relay control	H : ON L : OFF
16	P20/SI1	O	SP CS RELAY	Surround speaker relay control	H : ON L : OFF
17	RESET	I	RESET	Microprocessor reset	L : RESET ON
18	P74	I	4/8 SELECT	IN : Speaker impedance selector	H : 4Ω L : 8Ω
19	P73	I	CE	AC OFF(MAIN POWER) detection Signal	L : AC OFF
20	AVSS	—	AVSS	A/D power SUPPLY (GND)	—
21	P73/P17/AN17	O	A MUTE	Volume IC address/data CE Analog mute signal	L : ON
22	P16/AN16	O	TUNER MUTE	Tuner mute control	L : MUTE ON
23	P15/AN15	I	STEREO	Stereo signal detection	L : STEREO ON
24	P14/AN14	I	SD	Synchronized signal detection	—
25	P13/AN13	I	DO	IF count data (PLL DO)	—
26	P12/AN12	O	CE(PLL)	PLL Chip enable control	—
※27	P11/AN11	O	ATT (RDS)	Attenuate control	H : ON
※28	P10/AN10	I	S.LEVEL (RDS)	Signal level	H : ON
29	A Vcc	—	VDD	A/D power supply	—
30	A Vref	—	+5V	A/D reference voltage	—
31	P04/XT1	I	VOLUME ENCB	Volume encoder input B	—
32	XT2	—	NC		—
33	Vss	—	Vss	Microprocessor power supply	—
34	X1	—	OSC	4.19MHz oscillator	—
35	X2	—	OSC	4.19MHz oscillator	—
36	P37	I	VOLUME ENCA	Volume encoder input A	—
37	P36/BUZ	O	SDA	Electric volume IC control data	—
38	P35/PCL	O	SCL	Electric volume IC control clock	—
39	P34/T12	I	SELECTOR ENCB	Selector encoder input B	—
40	P33/T11	I	SELECTOR ENCA	Selector encoder input A	—
41	P32/T02	I/O	S.DATA	8/16 bit system data	—
42	P31/T01	I/O	S.BUSY	8/16 bit system busy	H : BUSY L : READY
※43	P30/T00	O	RES (RDS)	RDS IC reset signal	L : RESET ON
※44	P03/INTP3/C10	I	CLK (RDS)	RDS clock	—

※E/T type only, other types unused.

KR-V7080/V8080

CIRCUIT DESCRIPTION

Pin NO.	Pin name	Port I/O	Name	Description	Active
※45	P02/INTP2	I	DATA(RDS)	RDS data	—
※46	P01/INTP1	I	START(RDS)	RDS data start signal	L : START
47	P00/INTP0/TI	I	REM	Remote control input	—
48	IC	—	Vss		—
49	P72	O	STANDBY LED	Standby LED	L : LED ON
50	P71	O	DSP LOGIC LED	DSP LOGIC LED	L : LED ON
51	P70	O	DSP LED	DSP LED	L : LED ON
52	VDD	—	VDD	Microprocessor power supply (+5V)	—
53	P127/FIP33	O	VOL ATT	Volume(-12.5dB) attenuate signal	H : ATT ON L : ATT OFF
54	P126/FIP32	O	DATA MUTE	Data mute control	H : ON
55	P125/FIP31	I	KR4	Key return 4	—
56	P124/FIP30	I	KR3	Key return 3	—
57	P123/FIP29	I	KR2	Key return 2	—
58	P122/FIP28	I	KR1	Key return 1	—
59	P121/FIP27	I	KR0	Key return 0	—
60	P120/FIP26	O	P16/KS8	FL Segment 16/key scan 8	—
61	P117/FIP25	O	P15/KS7	FL Segment 15/key scan 7	—
62	P116/FIP24	O	P14/KS6	FL Segment 14/key scan 6	—
63	P115/FIP23	O	P13/KS5	FL Segment 13/key scan 5	—
64	P114/FIP22	O	P12/KS4	FL Segment 12/key scan 4	—
65	P113/FIP21	O	P11/KS3	FL Segment 11/key scan 3	—
66	P112/FIP20	O	P10/KS2	FL Segment 10/key scan 2	—
67	P111/FIP19	O	P9/KS1	FL Segment 09/key scan 1	—
68	P110/FIP18	O	P8/KS0	FL Segment 08/key scan 0	—
69	P107/FIP17	O	P1	FL Segment 1	—
70	P106/FIP16	O	P2	FL Segment 2	—
71	V load	—	V load	FL drive power supply (-30V)	—
72	P105/FIP15	O	P3	FL Segment 3	—
73	P104/FIP14	O	P4	FL Segment 4	—
74	P103/FIP13	O	P5	FL Segment 5	—
75	P102/FIP12	O	P6	FL Segment 6	—
76	P101/FIP11	O	P7	FL Segment 7	—
77	P100/FIP10	O	G1	FL grid 1	—
78	P97/FIP9	O	G2	FL grid 2	—
79	P96/FIP8	O	G3	FL grid 3	—
80	P95/FIP7	O	G4	FL grid 4	—

※The RDS PTY AF search always corresponds to a span search of 100kHz. Therefore, a span search of 50 kHz cannot be performed.

KR-V7080/V8080

CIRCUIT DESCRIPTION

7. KEY MATRIX

[() : μ-com IC port]

Table 7-1 Key Matrix List

KRTN KSCN	KR0 (59)	KR1 (58)	KR2 (57)	KR3 (56)	KR4 (55)
KS0 (68)	—	*1 RDS PTY	*1 RDS AF	*1 RDS DISPLAY	—
KS1 (67)	6 (10KEY)	5 (10KEY)	—	LOUDNESS	TAPE 2
KS2 (66)	7 (10KEY)	4 (10KEY)	—	MEMORY	LINE STRAIGHT
KS3 (65)	8 (10KEY)	3 (10KEY)	+10	DIRECT	AUDIO LEVEL MODE
KS4 (64)	9 (10KEY)	2 (10KEY)	REMOTE POWER	AUTO	SURROUND LEVEL MODE
KS5 (63)	0 (10KEY)	1 (10KEY)	SPEAKER A	SPEAKER B	MULTI DOWN
KS6 (62)	PRO LOGIC	DSP LOGIC	STEREO	TUNING DOWN	MULTI UP
KS7 (61)	3 STEREO	DSP	BAND	TUNING UP	CENTER MODE
KS8 (60)	* 3 DSW0	* 3 DSW1	* 3 DSW2	* 2 DSW3	—

* 1 The destination is E3 type only. For another destination, there is no key. (RDS function)

* 2 Used for operation selector of 8- or 16-bit serial data.

* 3 Used for discrimination of the destination. (Refer to the Destination List of Tuner in Table 5-1.)

8. XS8/XL16 Function

Implements an additional operation by the system in order to shift a system operated by XS8 to SL16.

8-1. Addition of a selector source

Adding a system operation adds selector sources MD and LD and controls MD and LD system operation.

(1) Selector source switching

MD and LD are switched as TAPE1 and VIDEO2 background modes separately from the normal selector functions.

- Switch the selector source by holding down the AUTO panel key for at least two seconds.

TAPE1 -> MD

VIDEO2 -> LD

(If another key is entered while the key is being entered, the key input is set to off and the key is made ineffective.)

When a MD or LD is used, the MD is connected to the RCA Pin of TAPE1 and the LD to the RCA Pin/Video Input of VIDEO2.

- The operation of the system controls only the currently selected source and has no control whatsoever over the operation of the side which is not selected.

For example, while MD is selected, even if the "Deck B Play" serial code is received, MD will remain selected without switching from MD to TAPE1.

(2) Settings during microprocessor backup or initialization

- During microprocessor initialization the selector is set to TAPE1 and VIDEO2. The current selector mode (TAPE1/MD and VIDEO2/LD) is maintained except when the backup is disrupted.

(3) Other items be noted

- This selector switching function has been developed in accordance with new serial codes. Therefore, if XS8 is used, since there is no code for MD and LD, the selector

source function will not work if the 8/16-bit serial mode is 8-bit. It works only in 16-bit mode.

Also, if serial mode has been switched from 16-bit to 8-bit when MD and LD are being selected, it will force a switch to TAPE1 and VIDEO2.

8-2. Changeover preference order

- ① Pressing KEY, then turn on power.
- ↓
- ② Backup data of ①.
- ↓
- ③ Diode matrix changeover.

8-3. XS8 / SL16 Selection

- KS8 and KR3 are used for the operation selection of 8- or 16-bit serial data. The 8- and 16-bit serial data are selected only during reset initialization.

Table 8-1 8-/16-bit Selection

Serial cord	DSW	DSW3
8-bit serial		0
16-bit serial		1

9. System operation of SL16

Easy operation one way amplifier and receiver. Other source devices are compatible with one-way and two-way easy operation. Operation is 16-bit.

Operation is two way and compatible with operating mode display. Also, adding MD and LD to input selector makes it compatible with easy operation. Apart from TUNER, source devices are operating mode display compatible and input selector MD and LD compatible. Since it is not possible for the amplifier and receiver to be always compatible with operating mode displays, they are only input selector MD and LD compatible and SL16 compatible.

KR-V7080/V8080

ADJUSTMENT

FM SECTION SELECTION : FM KR-V7080 (E,T TYPE)

NO.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
1	DISCRIMINATOR	(A) 98.0kHz 1kHz, ± 40 kHz dev. (E,T type) 60 dB μ (ANT input)	Connect a DC voltmeter between TP3 and TP4 (X14-) (B/6)	MONO 98.0MHz	L 303 (X14-) (B/6)	0V	(a)
2	DISTORTION (STEREO)	(C) 98.0MHz 1kHz, ± 40 kHz dev. Pilot: ± 6 kHz dev. 60dB μ (ANT input)	(B)	AUTO 98.0MHz	A301 (X14-) (B/6)	Minimum distortion.	(a)

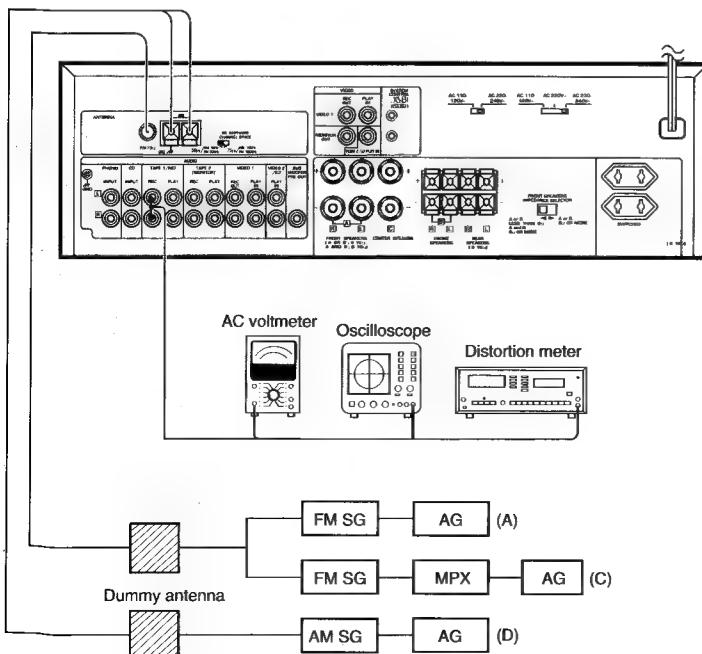
KR-V7080 (OTHER TYPE) / KR-V8080

NO.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
1	DISTORTION (STEREO)	(C) 98.0MHz 1kHz, ± 67.5 kHz dev. Pilot: ± 7.5 kHz dev. 60dB μ (ANT input)	(B)	AUTO 98.0MHz	A301 (X14-) (B/6)	Minimum distortion.	(a)

AUDIO SECTION

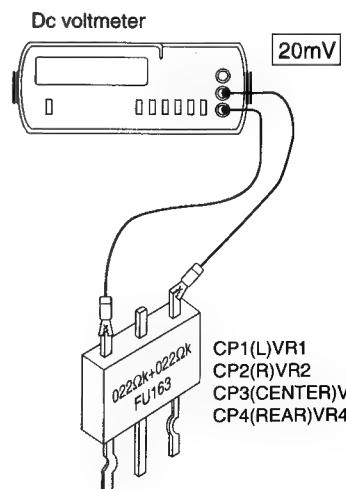
NO.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
POWER: ON SPEAKER: B SELECTOR: PHONO							
1	IDLE CURRENT		(E) Connect a DC voltmeter across CP1(L) CP2(R) CP3(CENTER) CP4(REA) (X09-) (A/4)	Volume: 0	VR1(L) VR2(R) VR3(CENTER) VR4(REA) (X09-) (A/4)	20mV	(b)

(a)



(b)

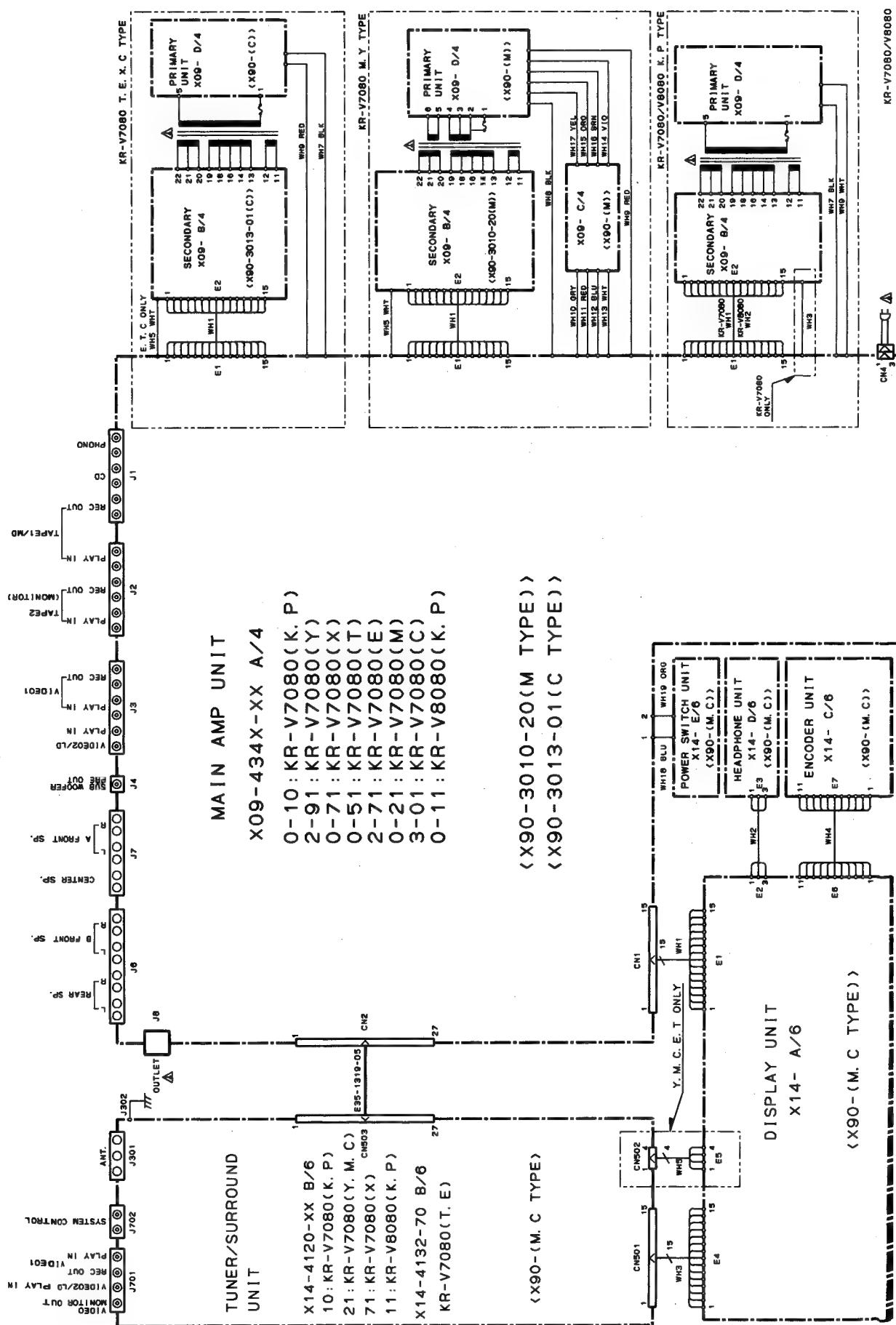
System connections



CP1(L)VR1
CP2(R)VR2
CP3(CENTER)VR3
CP4(REA)VR4

KR-V7080/V8080

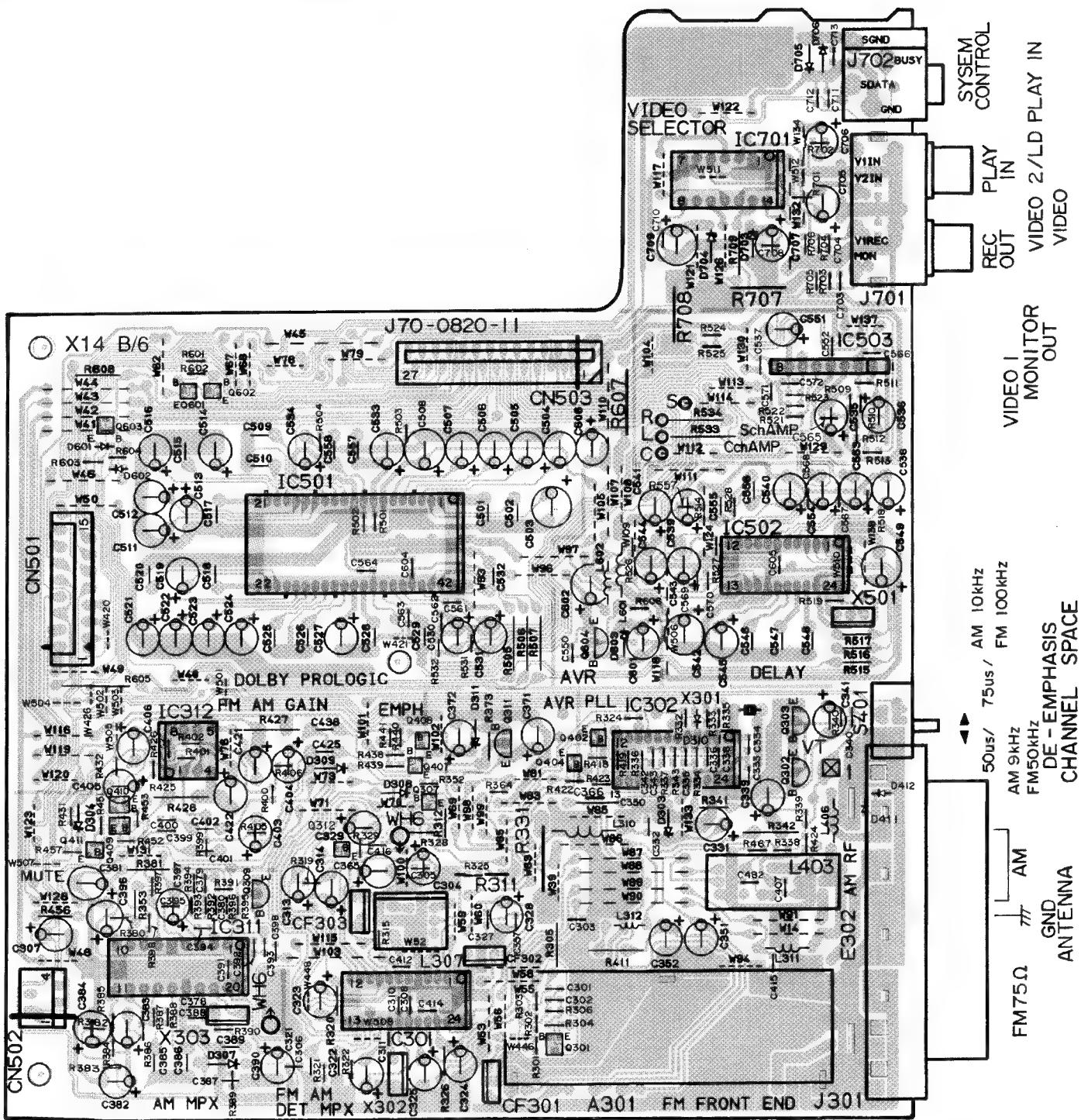
WIRING DIAGRAM



PC BOARD (Component side view)

DISPLAY unit (X14-41xx-xx)

20-10 : KR-V7080 K,P
20-21 : KR-V7080 Y,M,C
20-71 : KR-V7080 X
32-70 : KR-V7080 T,E
20-11 : KR-V8080 K,P



Refer to the schematic diagram for the values of resistors and capacitors.

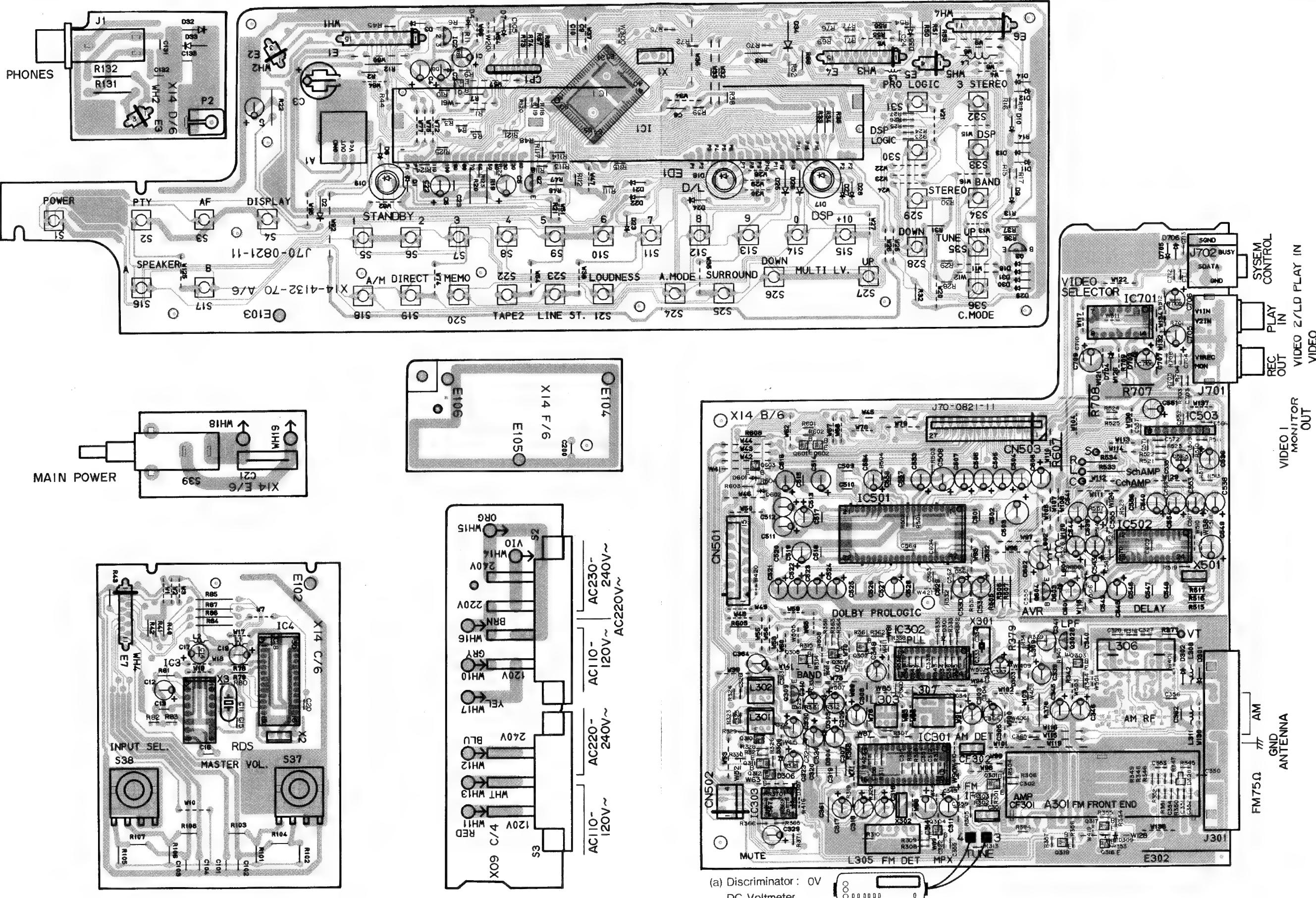
PC BOARD (Component side view)

DISPLAY unit (X14-41xx-xx)

20-10 : KR-V7080 K,P
32-70 : KR-V7080 T,E

20-21 : KR-V7080 Y,M,C
20-11 : KR-V8080 K,P

20-71 : KR-V7080 X



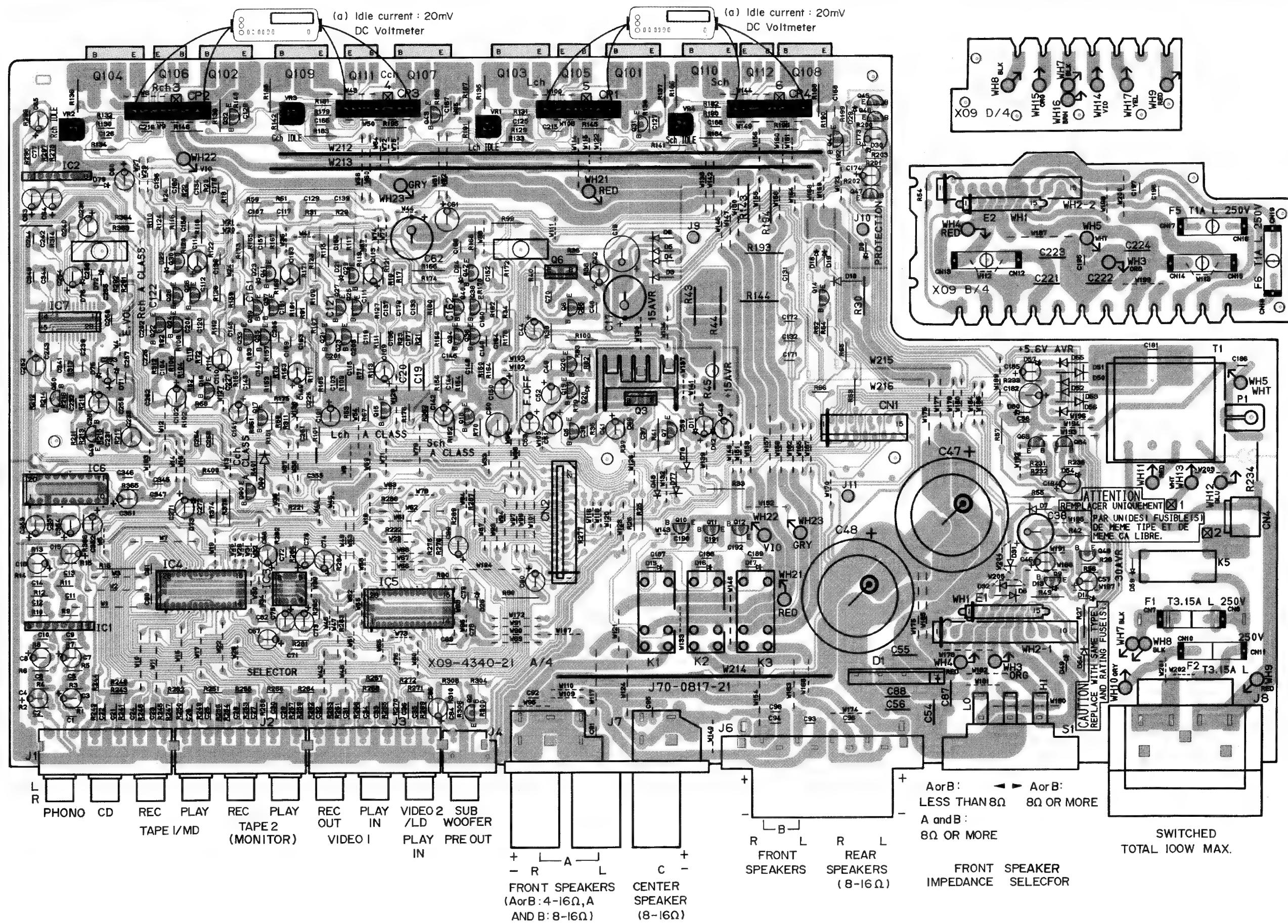
PC BOARD (Component side view)

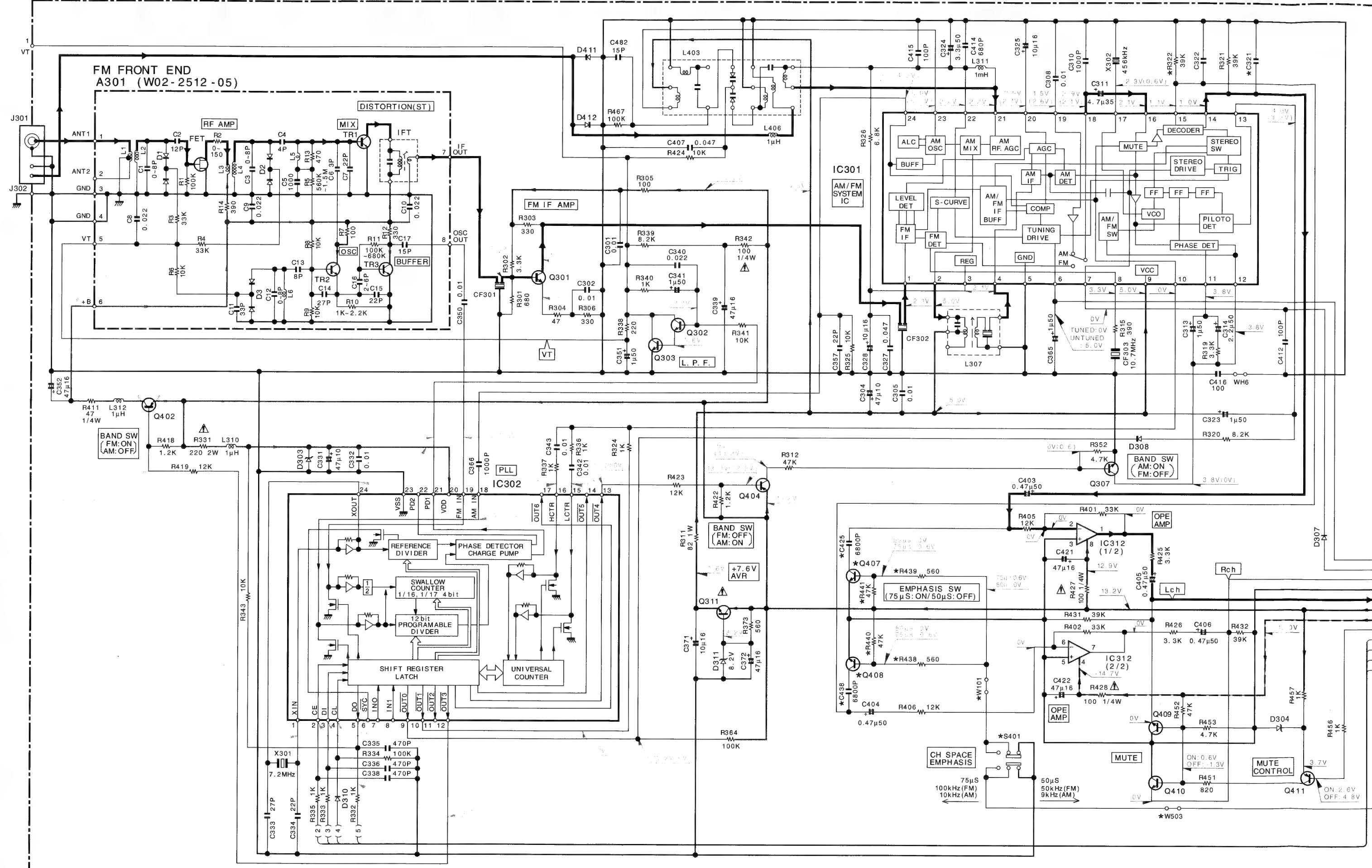
AUDIO unit (X09-434x-xx) 0-10 : KR-V7080 K,P
2-71 : KB-V7080 E

0-21 : KR-V7080 M
2-91 : KR-V7080 Y

0-51 : KR-V7080 T
3-01 : KB-V7080 C

0-71 : KR-V7080 X
0-11 : KB-V8080 K P





TO X14

TO X90

(A) 3/5

KR-V7080/V8080

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).  indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter as the AM/FM signal generator is specified to the conditions as shown in the list below. The measurement value may vary depending on the measuring instruments used or on the product. The value shown in () is actual reading measured in the AM mode.

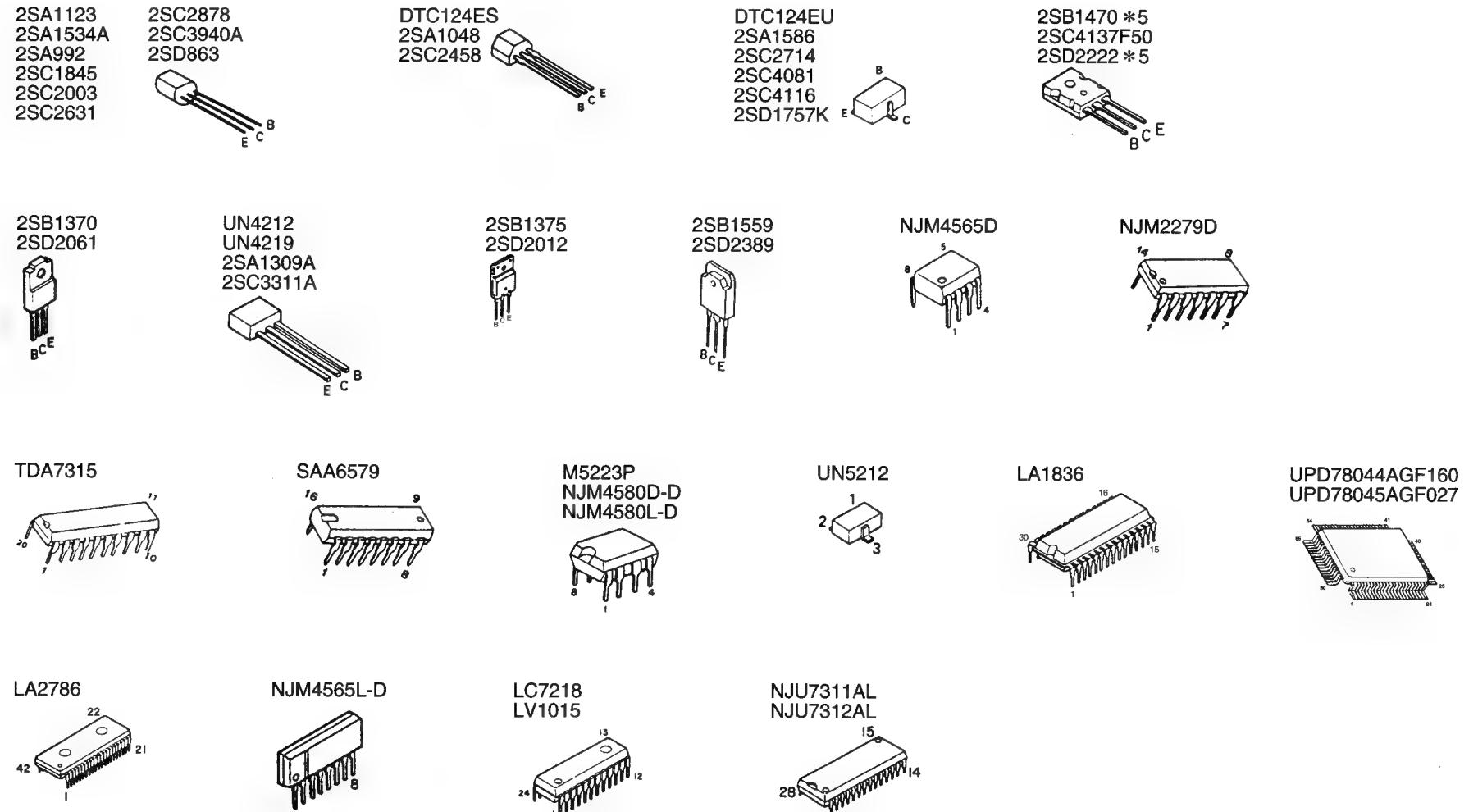
MODE	CARRIER	MODULATION		ANT INPUT
		FREQUENCY	DEVIATION	
FM	98MHz	1kHz	STEREO 67.5kHz 7.5kHz(Pilot)	60dB
AM	1000(999)kHz	400Hz	MONO 30% MOD	60dB

IC301 : LA1831A-KEN
 IC302 : LC7218
 IC312 : NJM4565D

Q301 : 2SC 2714(R, O)
 Q302 : 2SC 1845(F, E)
 Q303 : 2SC 2458(Y, GR) or
 2SC 3311A(Q, R)
 Q307, 407, 408 : 2SC 4081(R, S) or
 2SC 4116(Y, GR)
 Q311 : 2SC 3940A(R, S) or
 2SD863(E, F)
 Q402, 404, 411 : 2SA 1576A(R, S) or
 2SA 1586(Y, GR)
 Q409, 410 : 2SD 1757K

D303 : RD5. 1ES(B2) or
 HZS5. 1N(B2)
 D304 : RD3. 3ES(B2) or
 HZS3. 3N(B2)
 D307, 308 : 1SS133 or
 HSS104
 D310, 411, 412 : MA111
 D311 : RD8. 2ES(B2) or
 HZS8. 2N(B2)

MODEL NAME	DESTINATION		UNIT NO.	C321, C322, R438-R441, C425, C438 Q407, Q408, S401, W101, W503
	COUNTRY	ABB.		
KR-V7080	U. S. A. CANADA	K P	20-10	0.024
	AUSTRALIA	X	20-71	NO
	PX	Y	20-21	
	GENERAL MARKET CHINA	M C	0.016 YES	
KR-V8080	U. S. A. CANADA	K P	20-11	0.024 NO

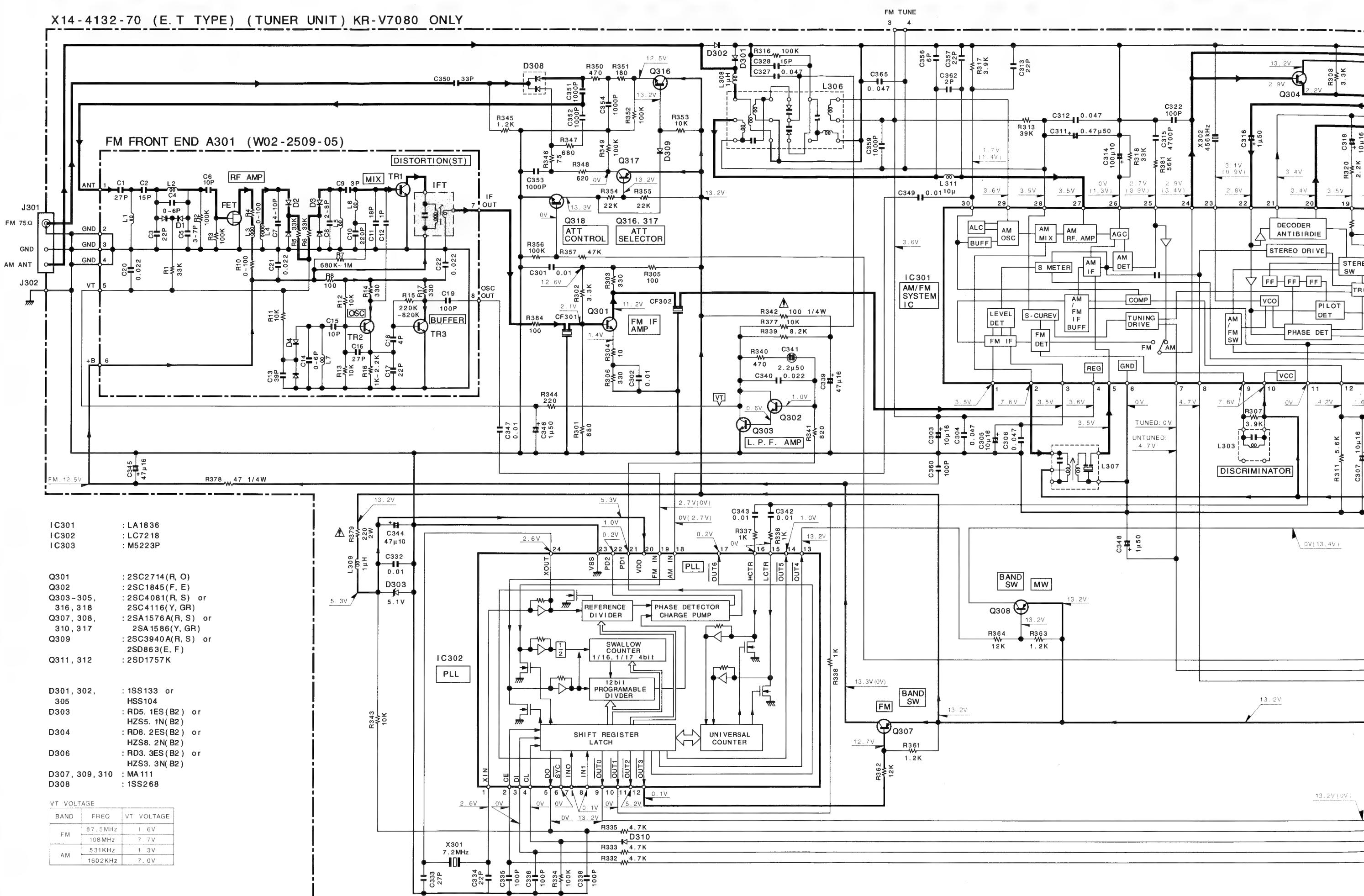


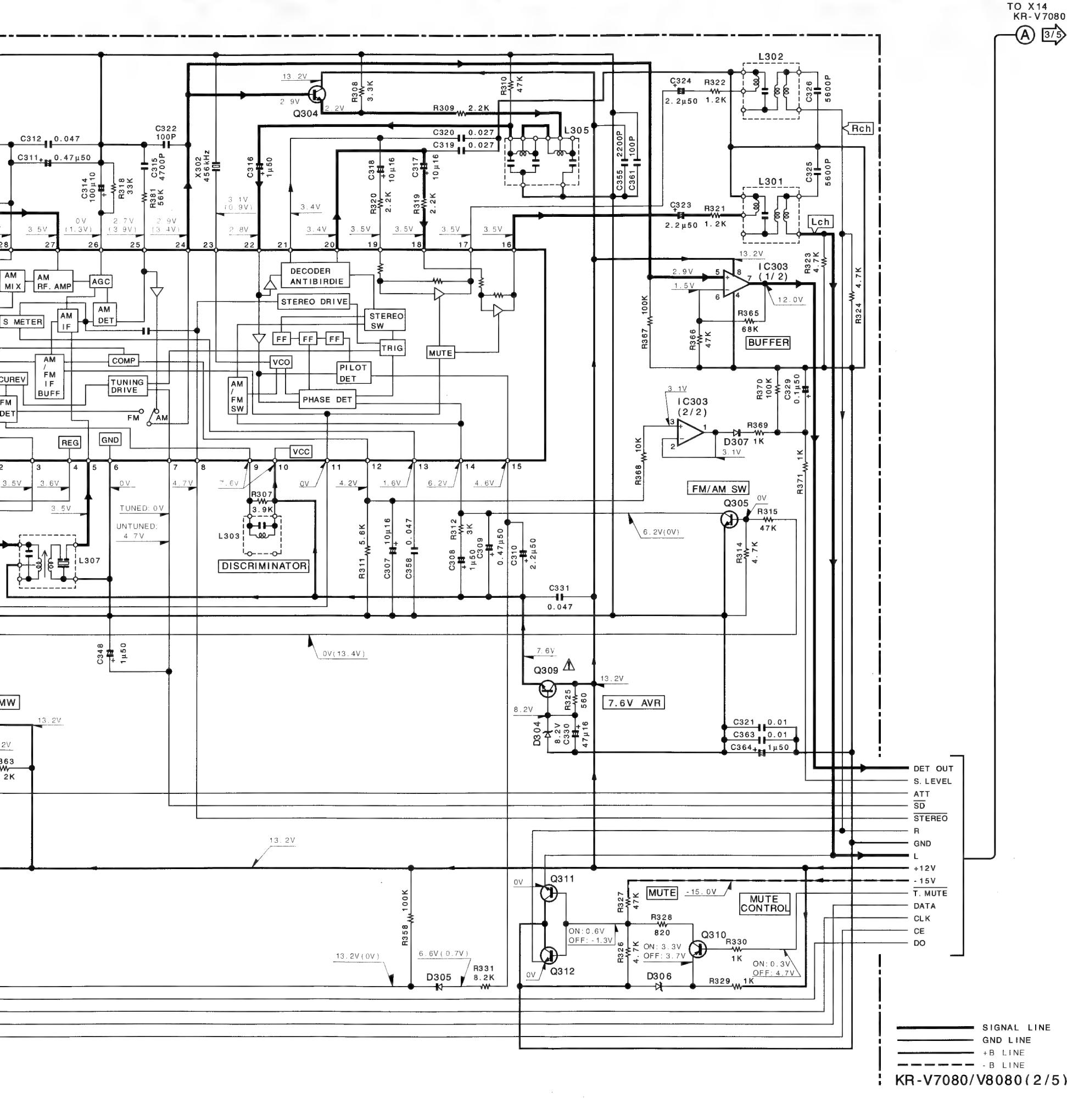
SIGNAL LINE
 GND LINE
 +B LINE
 -B LINE
 KR-V7080/V8080 (1/5)

Y05-3090-10

KR-V7080/V8080
 KENWOOD

X14-4132-70 (E.T TYPE) (TUNER UNIT) KR-V7080 ONLY

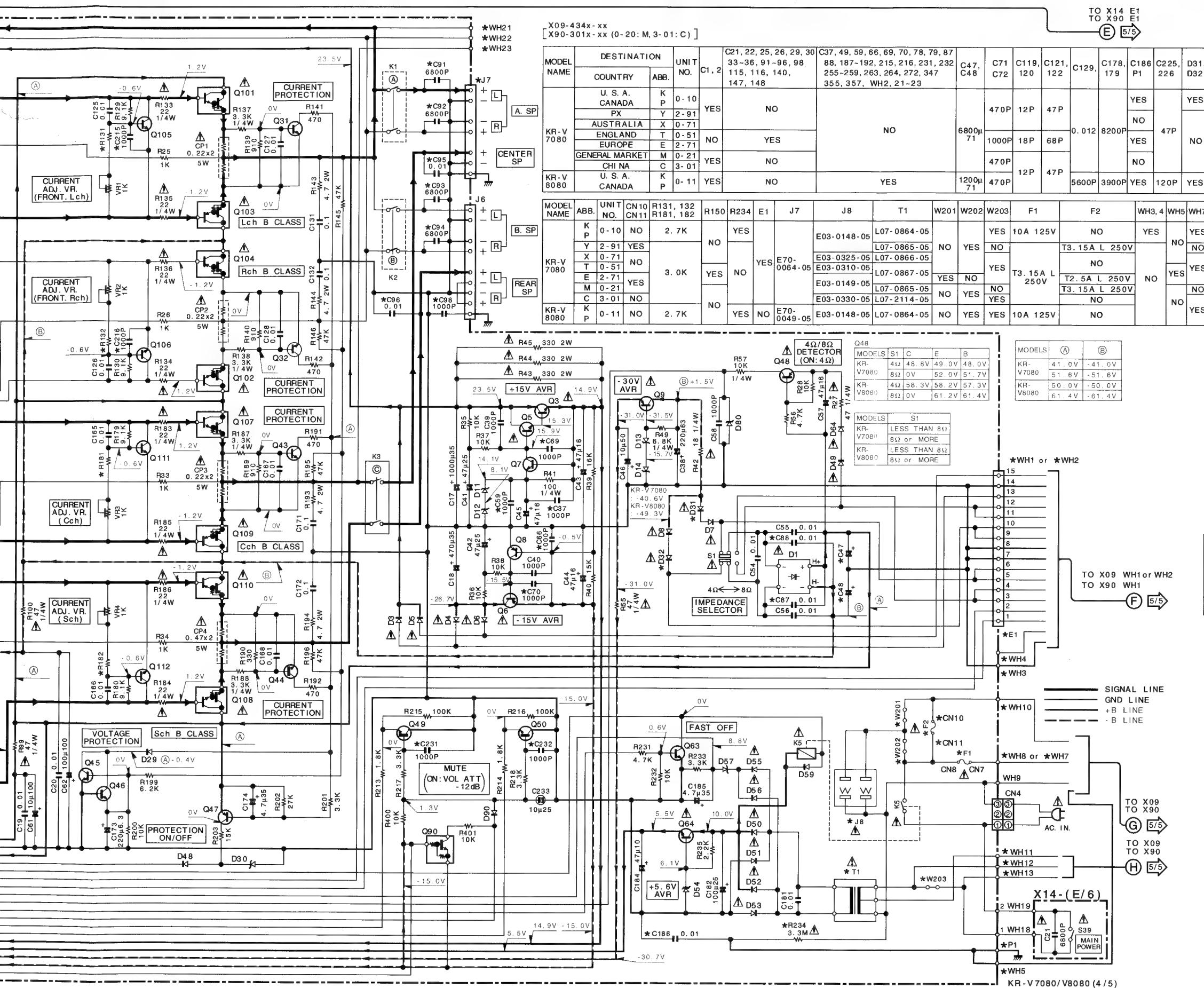




CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).  indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter as the AM/FM signal generator is specified to the conditions as shown in the list below. The measurement value may vary depending on the measuring instruments used or on the product. The value shown in () is actual reading measured in the AM mode.

MODE	CARRIER	MODULATION		ANT INPUT
		FREQUENCY	DEVIATION	
FM	98MHz	1kHz	STEREO 67.5kHz 7.5kHz(Pilot)	60dB
AM	1000(999)kHz	400Hz	MONO 30% MOD	60dB



CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).  indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

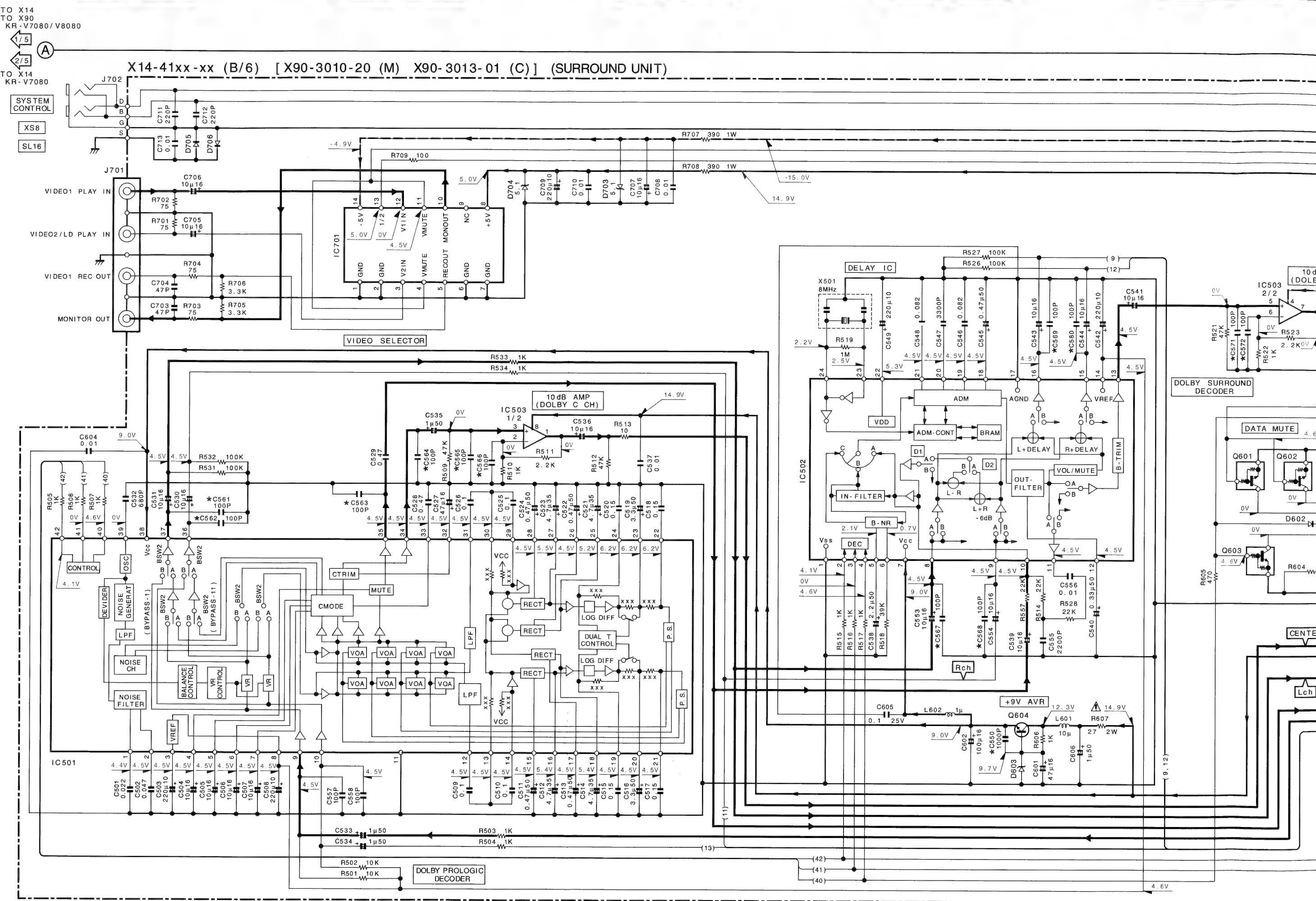
The DC voltage is an actual reading measured with a high impedance type voltmeter as the AM/FM signal generator is specified to the conditions as shown in the list below. The measurement value may vary depending on the measuring instruments used or on the product. The value shown in () is actual reading measured in the AM mode.

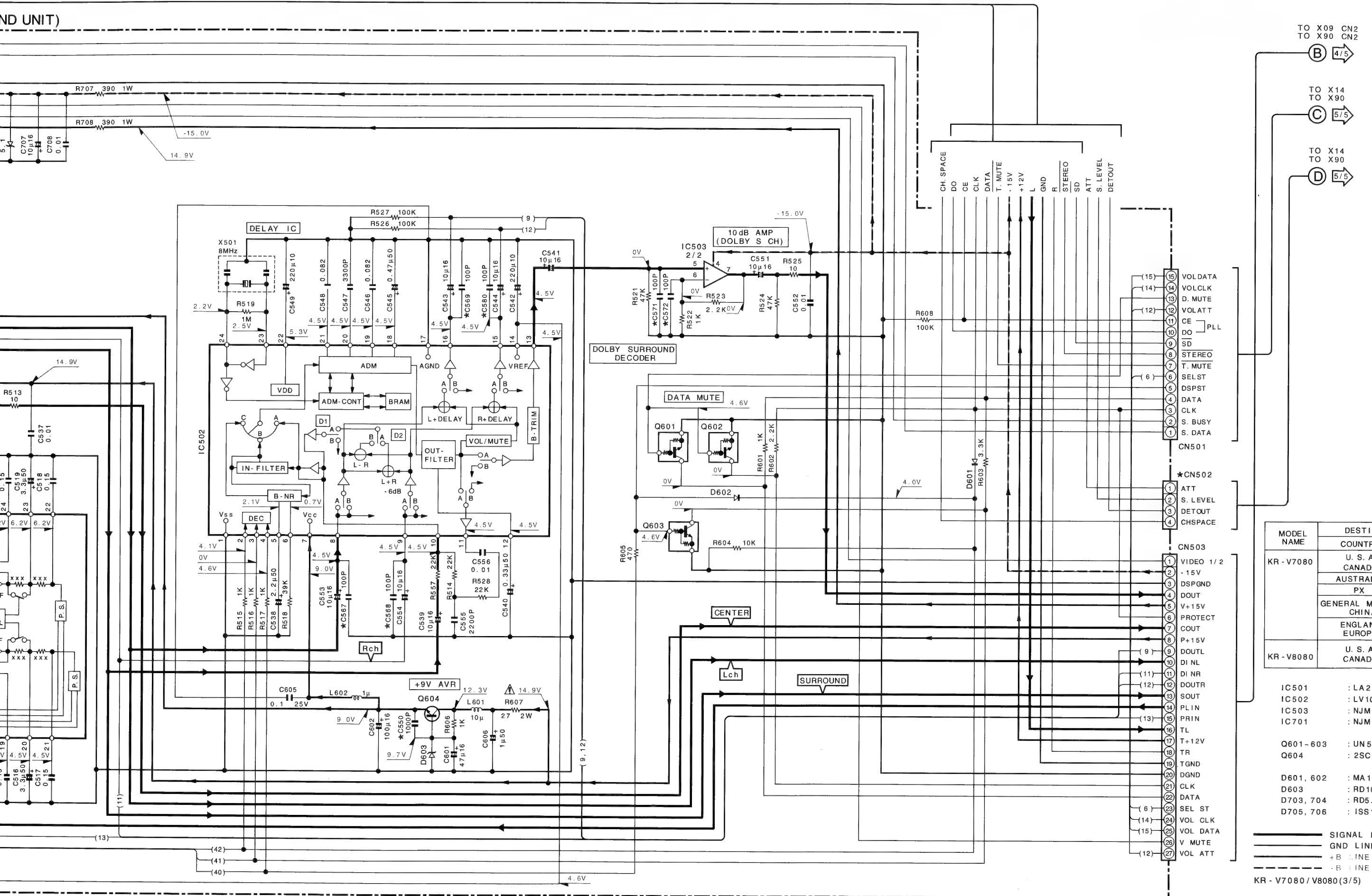
MODE	CARRIER	MODULATION		ANT INPUT
		FREQUENCY	DEVIATION	
FM	98MHz	1kHz	STEREO 67.5kHz 7.5kHz(Pilot)	60dB
AM	1000(999)kHz	400Hz	MONO 30% MOD	60dB

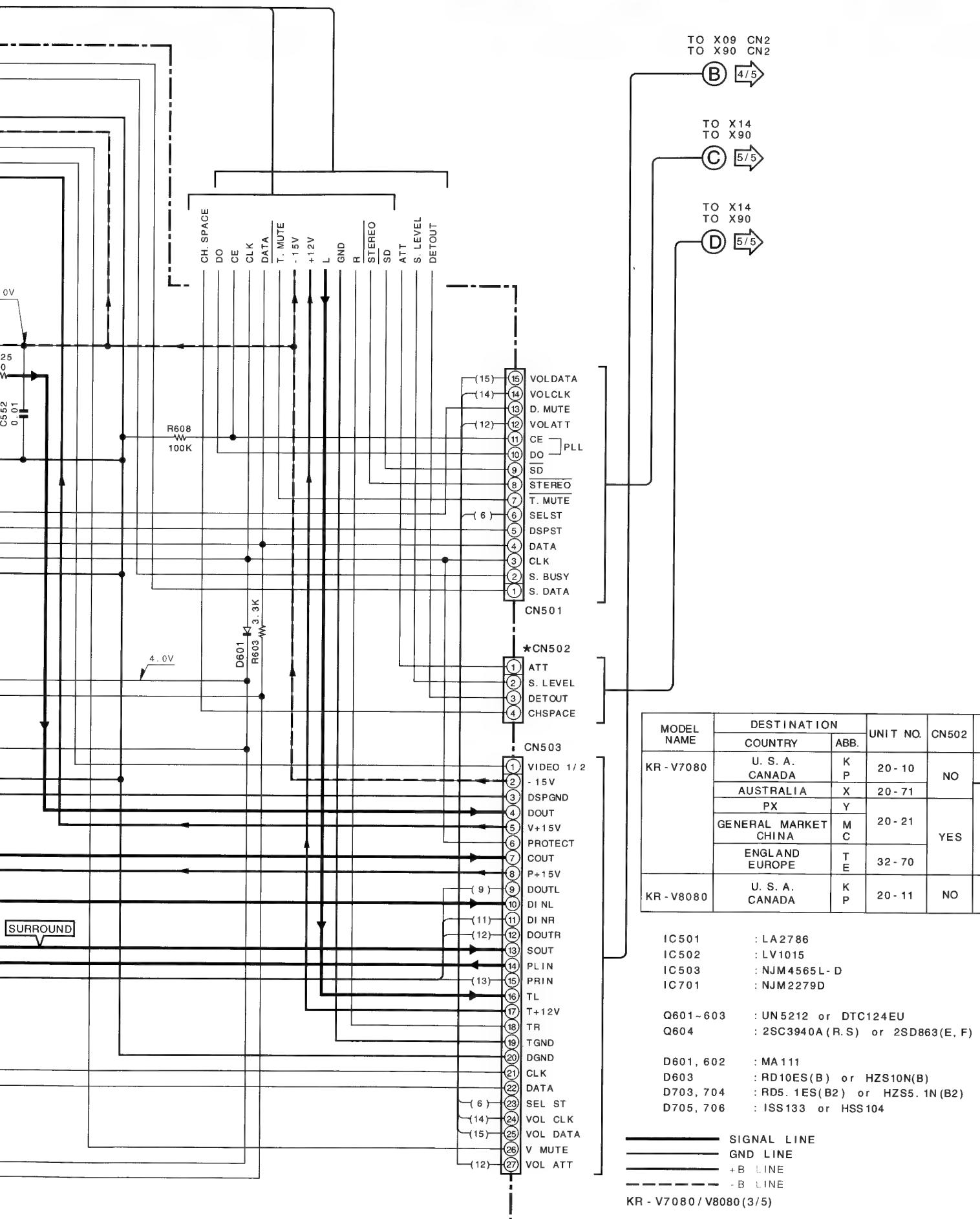
KR-V7080/V8080

KENWOOD

Y05-3090-10







CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter as the AM/FM signal generator is specified to the conditions as shown in the list below. The measurement value may vary depending on the measuring instruments used or on the product. The value shown in () is actual reading measured in the AM mode.

MODE	CARRIER	MODULATION		ANT INPUT
		FREQUENCY	DEVIATION	
FM	98MHz	1kHz	STEREO 67.5kHz 7.5kHz(Pilot)	60dB
AM	1000(999)kHz	400Hz	MONO 30% MOD	60dB

MODEL NAME	DESTINATION		UNIT NO.	CN502	C550, C561~ -572
	COUNTRY	ABB.			
KR - V7080	U. S. A. CANADA	K P	20 - 10	NO	YES
	AUSTRALIA	X	20 - 71		
	PX	Y	20 - 21	YES	NO
	GENERAL MARKET CHINA	M C			
	ENGLAND EUROPE	T E			
KR - V8080	U. S. A. CANADA	K P	20 - 11	NO	YES

IC501	:	LA 2786
IC502	:	LV1015
IC503	:	NJM4565L-D
IC701	:	NJM2279D
Q601~603	:	UN 5212 or DTC124EU
Q604	:	2SC3940A (R.S) or 2SD863(E, F)
D601, 602	:	MA 111
D603	:	RD10ES(B) or HZS10N(B)
D703, 704	:	RD5. 1ES(B2) or HZS5. 1N(B2)
D705, 706	:	ISS133 or HSS104

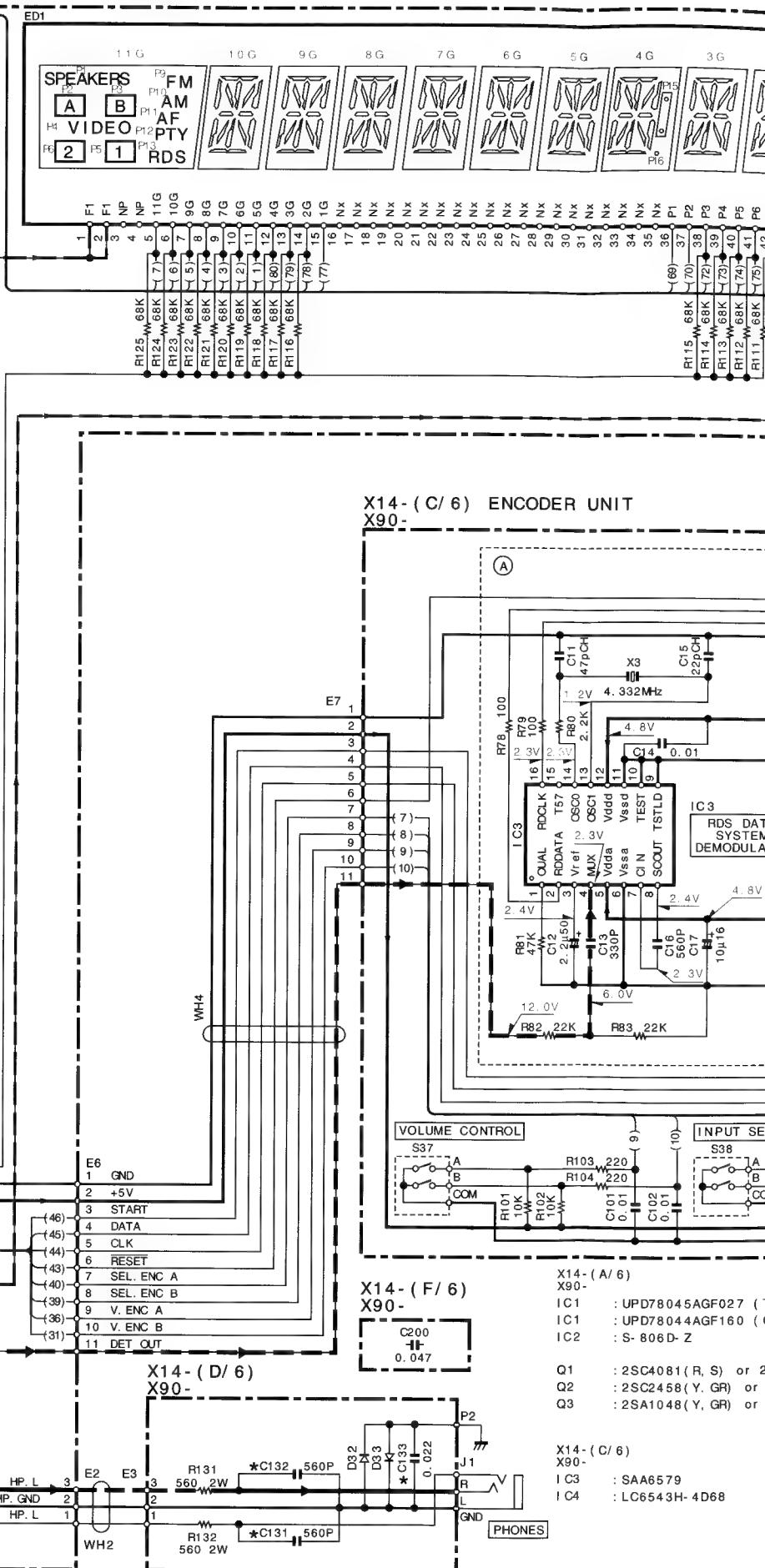
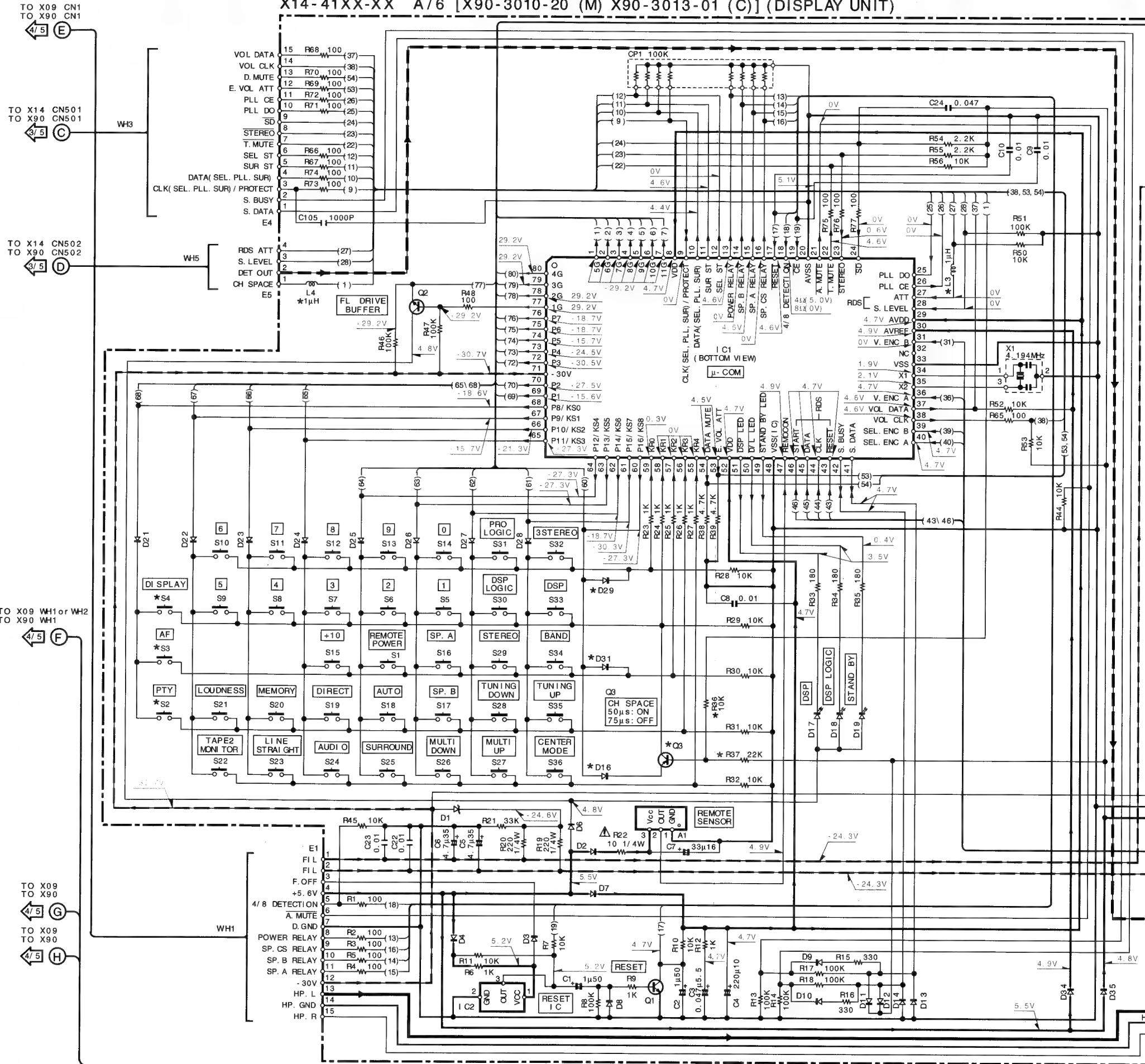
SIGNAL LINE
GND LINE
+ B LINE
- B LINE
I-V7080/V8080(3/5)

KR-V7080/V8080

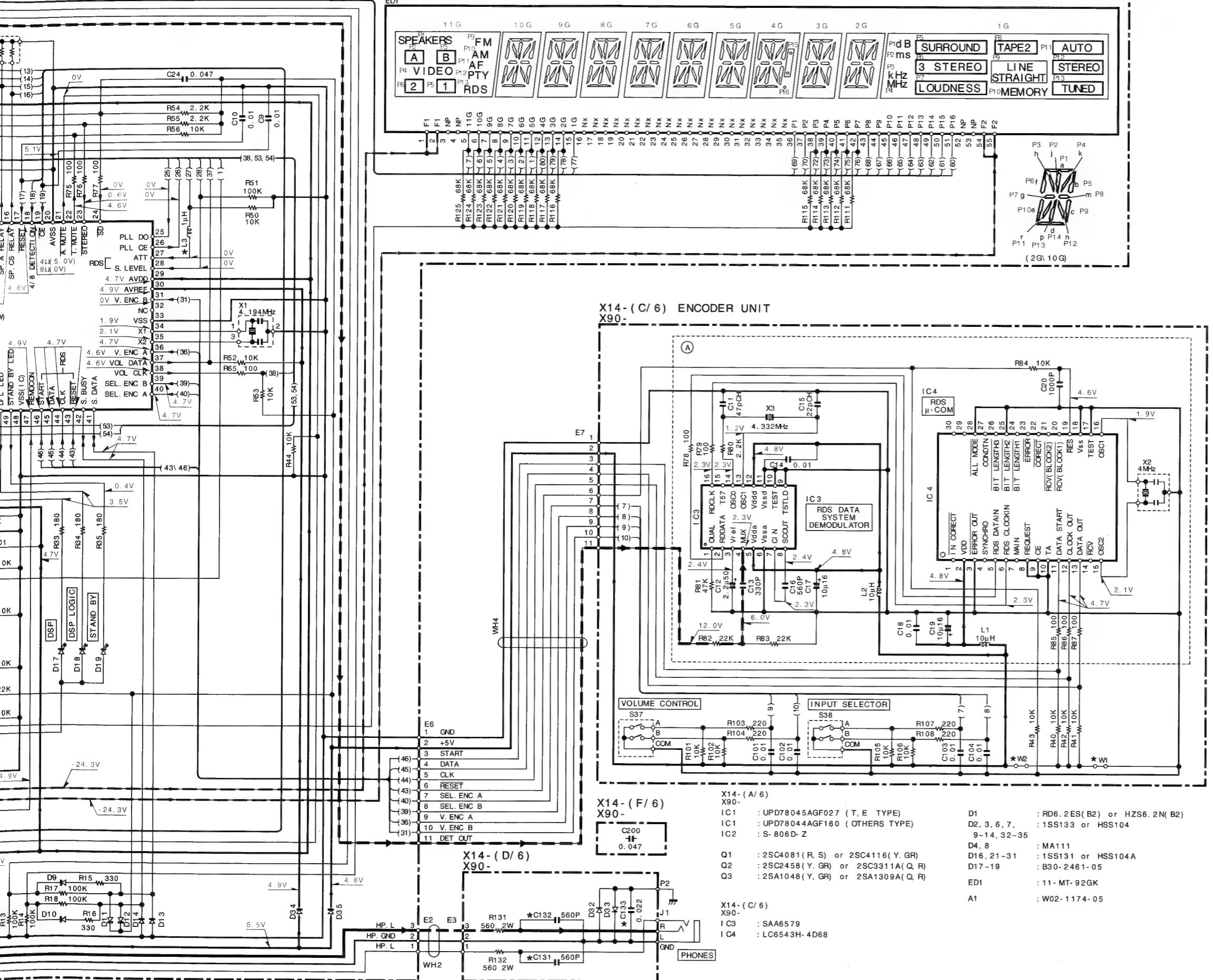
KENWOOD

Y05-3090-10

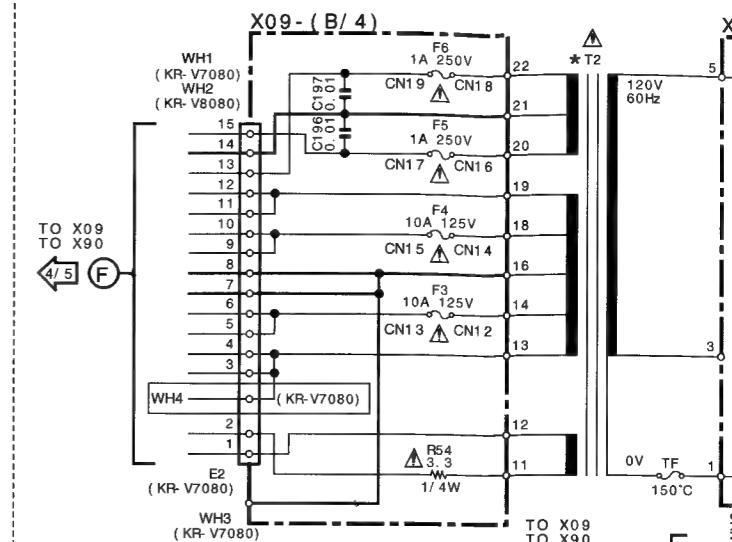
X14-41XX-XX A/6 [X90-3010-20 (M) X90-3013-01 (C)] (DISPLAY UNIT)



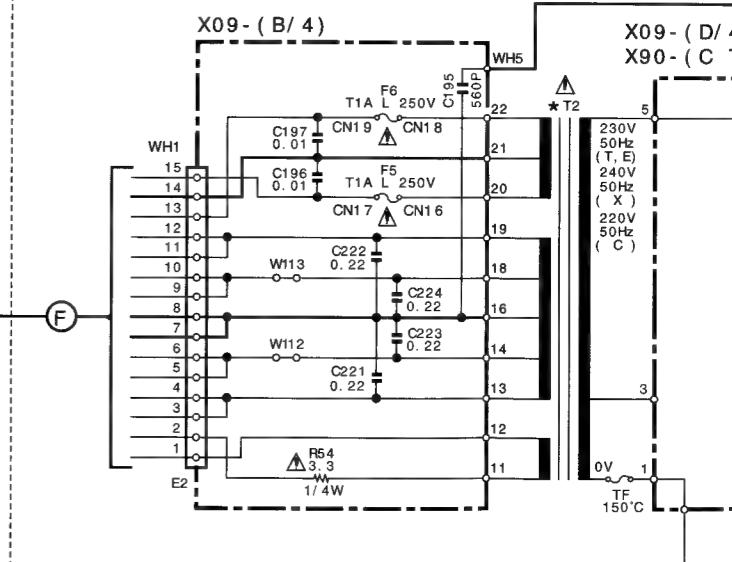
] (DISPLAY UNIT)



KR-V7080/V8080 K, P TYPE

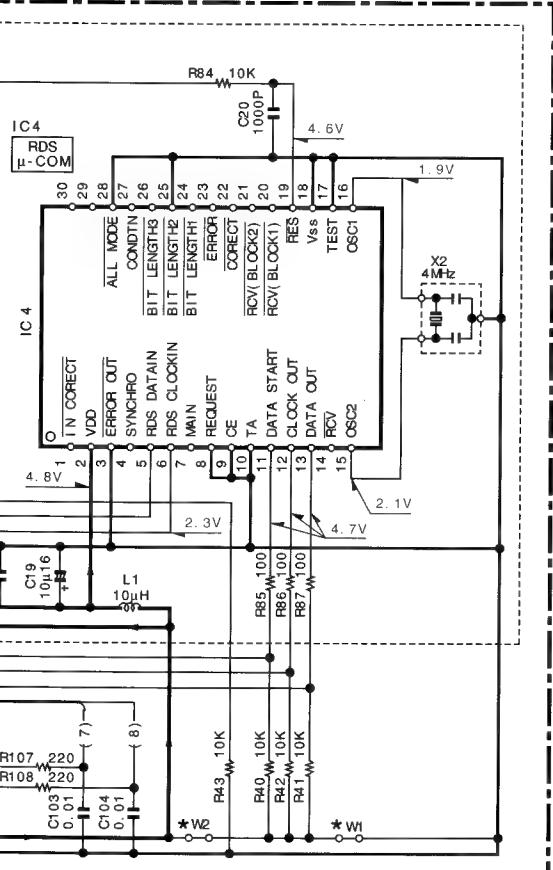
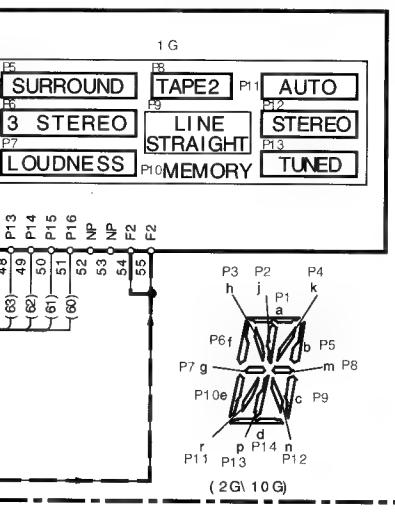


KR-V7080 T, E, X, C TYPE



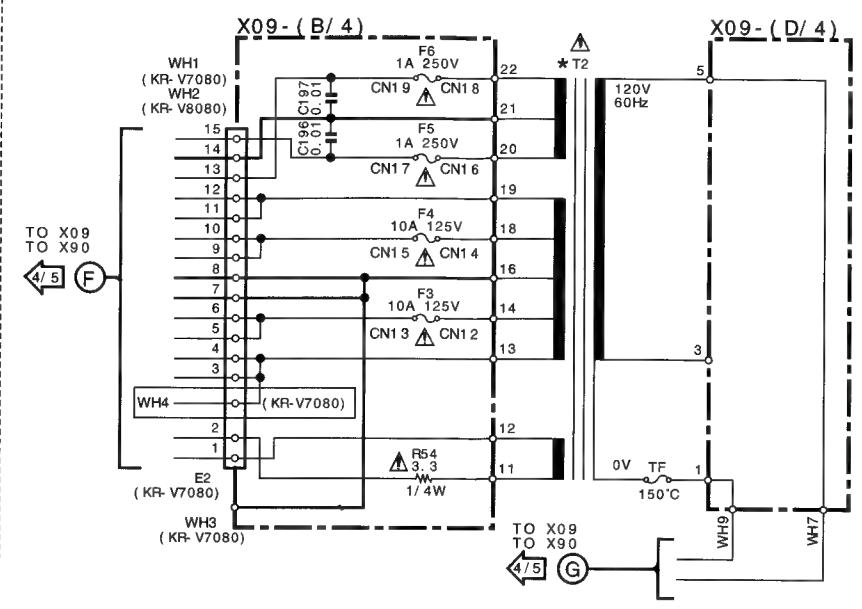
X14-41XX-XX(A/6), (C/6)

MODEL NAME	DESTINATION		UNIT NO.	D29	D31	D16 Q3	R36	R37	(A)	C131 C132	C133			
	COUNTRY	ABB.												
KR- V7080	U. S. A. CANADA	K P	20- 10	NO	NO	NO	NO	NO	NO	NO	NO			
	AUSTRALIA	X	20- 71	YES	YES	YES	YES	YES						
	PX	Y	20- 21	YES	NO	YES	YES	YES						
	GENERAL MARKET CHINA	M C			YES				YES	YES	YES			
	ENGLAND EUROPE	T E	32- 70	YES	NO	NO	NO							
KR- V8080	U. S. A. CANADA	K P	20- 11	NO			NO	NO	NO	NO				

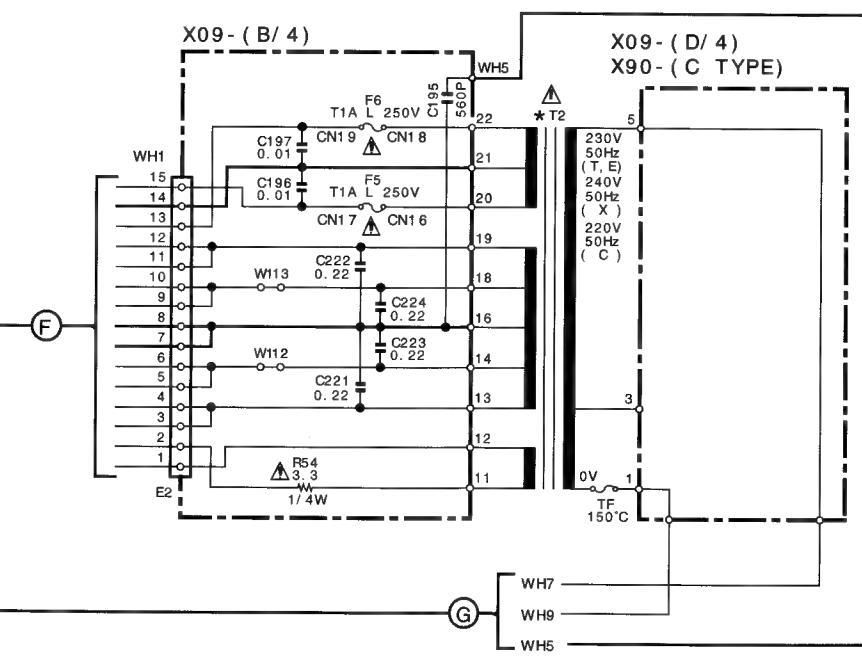


D1	: RD6.2ES(B2) or HZS6.2N(B2)
D2, 3, 6, 7, 9-14, 32-35	: 1SS133 or HSS104
D4, 8	: MA111
D16, 21-31	: 1SS131 or HSS104A
D17~19	: B30-2461-05
ED1	: 11-MT-92GK
A1	: W02-1174-05

KR-V7080/V8080 K. P. TYPE



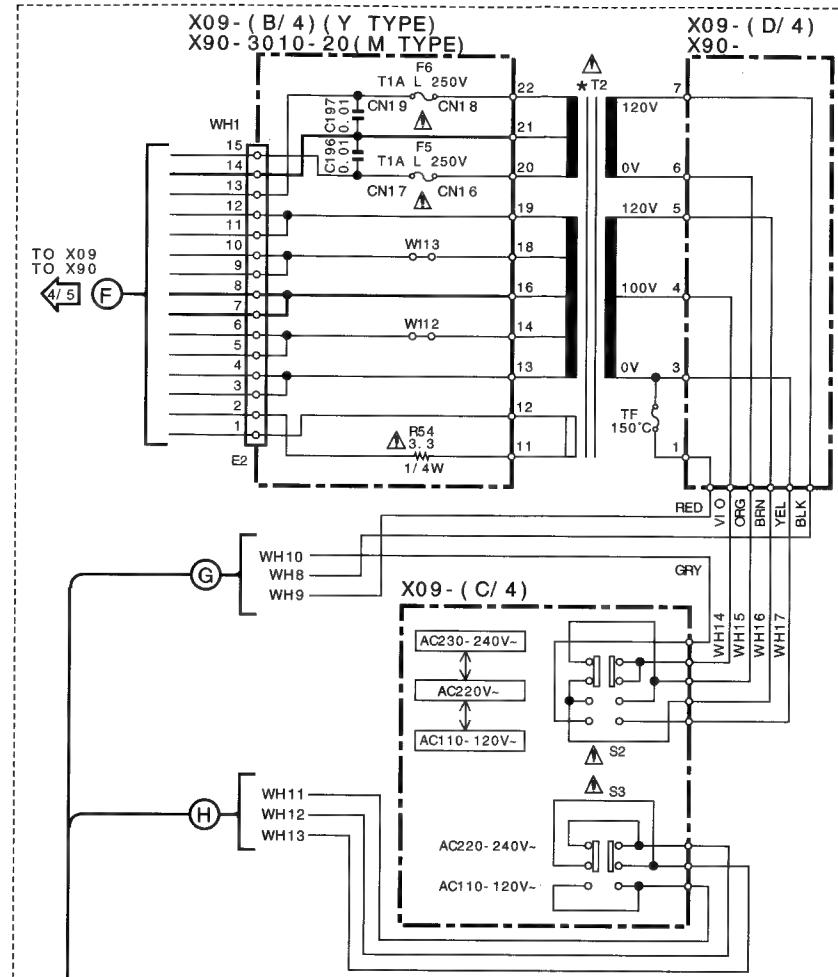
KR- V7080 T, E, X, C TYPE



K14-41XX-XX(A/6), (C/6)

MODEL NAME	DESTINATION		UNIT NO.	D29	D31	D16 Q3	R36	R37	(A)	C131 C132	C133	S2, 3, 4	W1	W2	L3	L4											
	COUNTRY	ABB.																									
KR- V7080	U. S. A. CANADA	K P	20- 10	NO	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO											
	AUSTRALIA	X	20- 71	YES	YES																						
	PX	Y	20- 21	NO	YES																						
	GENERAL MARKET CHINA	M C																									
	ENGLAND EUROPE	T E	32- 70	YES	NO	NO	NO	YES	YES	YES	YES	YES	YES	NO	YES	YES											
KR- V8080	U. S. A. CANADA	K P	20- 11	NO	NO			NO	NO	NO	NO	NO	YES	NO	NO												

KR- V7080 M, Y TYPE



X09 - (B/ 4) (C/ 4)

X90- (C, M TYPE)		DESTINATION		T2
MODEL NAME	COUNTRY	ABB.		
	U. S. A. CANADA	K P	L07- 2059- 05	
	AUSTRALIA	X	L07- 2061- 05	
	PX	Y	L07- 2060- 05	
	GENERAL MARKET	M	L07- 2146- 05	
	CHINA	C	L07- 2142- 05	
	ENGLAND EUROPE	T E	L07- 2062- 05	
	U. S. A. CANADA	K P	L07- 2063- 05	
KR- V7080				
KR- V8080				

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).  indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

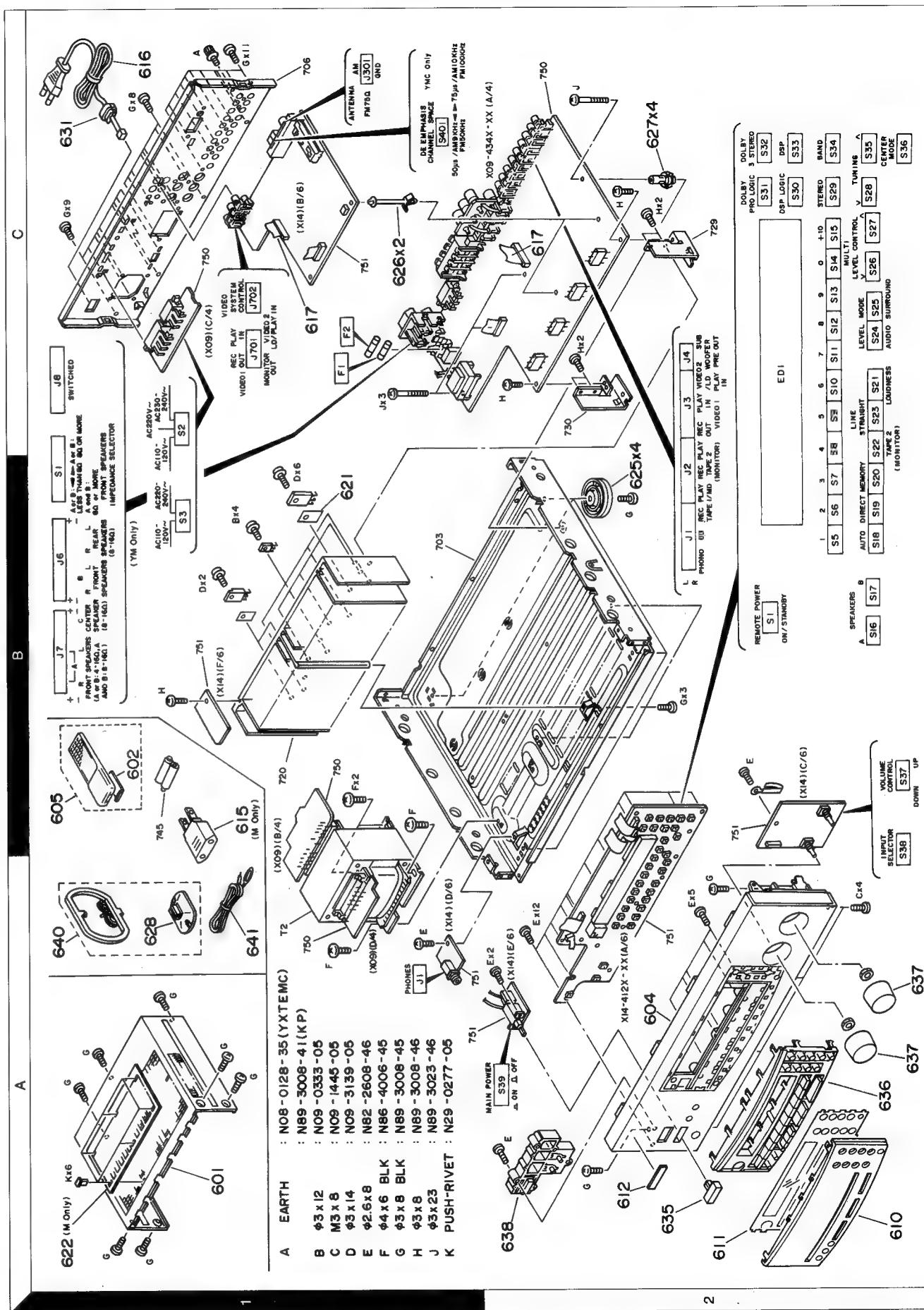
The DC voltage is an actual reading measured with a high impedance type voltmeter as the AM/FM signal generator is specified to the conditions as shown in the list below. The measurement value may vary depending on the measuring instruments used or on the product. The value shown in () is actual reading measured in the AM mode.

MODE	CARRIER	MODULATION		ANT INPUT
		FREQUENCY	DEVIATION	
FM	98MHz	1kHz	STEREO 67.5kHz 7.5kHz(Pilot)	60dB
AM	1000(999)kHz	400Hz	MONO 30% MOD	60dB

— — — SIGNAL LINE
— — — GND LINE
— — +B LINE
— — -B LINE

KR-V7080/V8080

EXPLODED VIEW (UNIT)



Parts with the exploded numbers larger than 700 are not supplied.

KR-V7080/V8080

PARTS LIST

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* New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

KR-V7080/V8080

Ref. No.	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
KR-V7080/V8080						
601	1A	*	A01-3269-01	METALLIC CABINET		
602	1B	*	A09-0719-08	BATTERY COVER	KPY XMC TE	7
604	2A	*	A60-0791-11	PANEL	KPY XMC TE	7
604	2A	*	A60-0792-11	PANEL	KPY XMC TE	7
604	2A	*	A60-0793-11	PANEL	KPY XMC TE	7
604	2A	*	A60-0794-11	PANEL-CON ASSY (RC-R0803)	KPY XMC TE	8
605	1B	**	A70-1043-05	REMO-CON ASSY (RC-R0803)	KPY XMC TE	
610	2A	**	B10-2170-02	FRONT GLASS	KPY XMC TE	
610	2A	**	B10-2253-02	FRONT GLASS	KPY XMC TE	
611	2A	**	B11-0294-02	COLOR FILTER	KPY XMC TE	
612	2A	**	B43-0302-04	KENWOOD BADGE	KY	
		*	B46-0092-43	WARRANTY CARD	X	
		*	B46-0121-33	WARRANTY CARD	P	
		*	B46-0197-00	QUESTIONNAIRE CARD	K	
		*	B46-0310-03	WARRANTY CARD	TE	
		*	B46-0326-03	WARRANTY CARD	C	
		*	B58-0964-13	CAUTION CARD (CAUTION UL) (TX TYPE PL)	KY	
		*	B58-0965-13	CAUTION CARD (CAUTION UL) (ELM TYPE PL)	XT	
		*	B58-0966-13	CAUTION CARD (CAUTION UL) (P TYPE PL)	EMC	
		*	B58-0967-03	CAUTION CARD	P	
		*	B58-0968-04	CAUTION CARD	Y	
		*	B59-1104-00	SERVICE DIRECTORY	Y	
		*	B60-2485-00	I.MANUAL (KR-V7080/V8080 EN)	KPY XMC TE	
		*	B60-2486-00	I.MANUAL (KR-V7080 EN)	P	
		*	B60-2487-00	I.MANUAL (KR-V7080/V8080 FR)	E	
		*	B60-2488-00	I.MANUAL (KR-V7080 FR/D)	E	
		*	B60-2489-00	I.MANUAL (KR-V7080 IT/SP)	M	
		*	B60-2490-00	I.MANUAL (KR-V7080 SP)	M	
		*	B60-2491-00	I.MANUAL (KR-V7080 G)	EMC	
		*	B60-2492-00	I.MANUAL (KR-V7080 C)	M	
		*	B60-2493-00	I.MANUAL (KR-V7080 TAIWAN)	M	
		*	E03-0115-05	AC PLUG ADAPTER	M	
		*	E30-2592-15	AC POWER CORD	M	
		*	E30-2739-05	AC POWER CORD	Y	
		*	E30-2787-05	AC POWER CORD	KP	
		*	E30-2788-05	AC POWER CORD	E	
		*	E30-2790-05	AC POWER CORD	X	
		*	E30-2791-05	AC POWER CORD	T	
		*	E30-2835-05	AC POWER CORD	C	
		*	E36-1319-05	FLAT CABLE(27)X98CN2-X14CN503		
		*	F20-1322-15	INSULATING BOARD	M	
		*	F20-1472-03	INSULATING BOARD	M	
		*	H50-1736-04	ITEM CARTON CASE	KPY XMC TE	8
		*	H50-1749-04	ITEM CARTON CASE	M	
		*	H50-1750-04	ITEM CARTON CASE	T	
		*	H50-1751-04	ITEM CARTON CASE	C	
		*	H50-1752-04	ITEM CARTON CASE		
		*	H50-1776-04	POLYSTYRENE FOAMED FIXTURE (L)	KPY XMC	
		*	H50-1777-04	POLYSTYRENE FOAMED FIXTURE (R)	KPY XMC	
		*	H10-7126-12			
		*	H10-7126-12			
		*	H10-7127-12			

* New Parts Parts without **Parts No.**
 -les articles non mentionnés Teile ohne **Parts No.**

* New Parts
Pièces sans lesquelles les **Parts No.** ne sont pas fournis.
Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

L: Scandinavia	K: USA	P: Canada	C: China	7: KR-V7080
Y: PX(Far East, Hawaii)	T: Europe	E: Europe		8: KR-V8080
Y: AA(FES)(Europe)	X: Australia	M: Other Areas		
				↑ indicates safety critical components

L : Scandinavia K : USA P : Canada
 Y : PK(far East, Hawaii) T : Europe E : Europe
 Y : AA(EU) X : Australia M : Other Areas

C : China **7 : KR-V7080**
8 : KR-V8080

↑ indicates safety/critical components

PARTS LIST

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Ref. No	Add- ress	Parts No.	Description	Desti- nation	Re- marks
New Parts					
C146		CC45FFSL1H101J	CERAMIC	100PF	J
C147-148		CC45FFSL1H221J	CERAMIC	220PF	J
C149-150		CE04KWM1A470M	ELECTRO	47UF	10WV
C151-152		CC45FFSL1H680J	CERAMIC	68PF	J
C153		CE04KWM2A010M	ELECTRO	1.0UF	100WV
C155-158		CK45FB1H152K	CERAMIC	1500PF	K
C159,160		CC45FFSL1H020C	CERAMIC	20PF	C
C161,162		CC45FFSL2H680J	CERAMIC	68PF	J
C165-168		CK45FF1H103Z	CERAMIC	0.010UF	Z
C171-172		CQ93FMG1H104J	MYLAR	0.10UF	J
C173		CE04KWM0J221M	ELECTRO	220UF	6.3WV
C174		CE04KWM1V470M	ELECTRO	4.7UF	35WV
C178,179		CQ93FMG1H392J	MYLAR	3900PF	J
C181		CQ93FMG1H822J	MYLAR	8200PF	J
C182		CK45FB1H103Z	CERAMIC	0.010UF	Z
C184		CE04KWM1E101M	ELECTRO	100UF	25WV
C185		CE04KWM1A470M	ELECTRO	47UF	10WV
C186		CK45FF1H103Z	CERAMIC	4.7UF	35WV
C187-192		CQ93FMG1H102J	MYLAR	1000PF	Z
C195		CK45FB1H661K	CERAMIC	560PF	K
C196,197		CK45FF1H103Z	CERAMIC	0.010UF	Z
C201-204		CK45FB1H471K	CERAMIC	470PF	J
C205		CQ93FMG1H102J	MYLAR	1000PF	J
C215,216		C91-1480-05	MP	0.22UF	250WV
C221-224		CC45FFSL2H121J	CERAMIC	120PF	J
C225,226		CC45FFSL2H470M	CERAMIC	47PF	J
C225,226		CC45FFSL2H330J	CERAMIC	33PF	J
C227		CQ93FMG1H102J	MYLAR	1000PF	J
C231,232		CE04KWM1E101M	NP-ELEC	10UF	25WV
C233		CE04KWM1H2R2M	ELECTRO	2.2UF	50WV
C238		CC45FFSL2H110J	MYLAR	0.10UF	J
C239-242		CQ93FMG1H562J	MYLAR	5600PF	J
C243,244		CF92FV1H2R2M	ELECTRO	2.2UF	50WV
C251,252		CE04KWM1C220M	ELECTRO	22UF	16WV
C253		CE04KWM1C101M	ELECTRO	100UF	16WV
C254		CQ93FMG1H103J	MYLAR	0.010UF	J
C255		CF92FV1H105J	MF-C	1.0UF	J
C256-259		CQ93FMG1H102J	MYLAR	100PF	K
C261,262		CF92FV1H221J	ELECTRO	47UF	16WV
C263,264		CQ93FMG1H101K	MYLAR	1000PF	J
C271		CE04KWM1C470M	ELECTRO	1000PF	J
C272		CC45FFSL1H221J	CERAMIC	220PF	J
C343,344		CF92FV1H224J	MF-C	0.22UF	J
C345		CF92FV1H684J	MYLAR	1.68UF	J
C346		CQ93FMG1H101K	MYLAR	1.00PF	K
C347		CQ93FMG1H103J	ELECTRO	2.2UF	50WV
C351-352		CE04KWM1H2R2M	ELECTRO	10UF	50WV
C353		CE04KWM1A470M	ELECTRO	47UF	16WV
C354		CQ93FMG1H101K	MYLAR	1000PF	K
C355		CQ93FMG1H103J	MYLAR	0.010UF	J
C357		CQ93FMG1H103J	MYLAR	1000PF	K
CN1					PIN ASSY (15P)
CN2					FLAT CABLE CONNECTOR (27P)
E40-4609-05					
E40-4914-05					

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les articles non mentionnés dans le **Parts No.** ne werden nicht geliefert.

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Ref. No	Parts No.	Description	Desti- nation	Re- marks
C43 -45	CE04KW11C470M	ELECTRO	47UF	16nW
C46	CE04KW1H100M	ELECTRO	10UF	50nW
C47,48	* C80-3620-05	ELECTRO	6800UF	71nW
C47,48	C90-3620-05	ELECTRO	1200UF	71nW
C49	C935FMG1H102J	MYLAR	1000PF	J
C50	CE04HW1A220M	NP-ELEC	22UF	10nW
C51	CE04KW1C220M	ELECTRO	22UF	16nW
C52, 53	CE04KW1C7470M	ELECTRO	41UF	16nW
C54 -56	CK45FE2H103P	CERAMIC	0.010UF	P
C57	CE04KW1C470M	ELECTRO	47UF	16nW
C58	CK45FB1H102K	CERAMIC	1000PF	K
C59	C935FMG1H102J	MYLAR	1000PF	J
C60	CE04KW1C470M	ELECTRO	47UF	16nW
C61	CE04KW1A000M	ELECTRO	10UF	100nW
C62	CE04KW2A101M	ELECTRO	100UF	100nW
C63, 64	CE04KW1H102M	ELECTRO	1.0UF	50nW
C65	CE04KW1V4R7M	MYLAR	4.7UF	35nW
C66	C935FMG1H102J	CERAMIC	1000PF	J
C67, 68	CE04KW1H2R2M	ELECTRO	2.2UF	50nW
C69, 70	C935FMG1H102J	MYLAR	1000PF	J
C71, 72	CK45FB1H102K	CERAMIC	1000PF	K
C71, 72	CK45FB1H471K	MYLAR	470PF	K
C71, 72	C935FMG1H1471J	CERAMIC	1000PF	J
C73 -76	CE04KW1H2R2M	ELECTRO	2.2UF	16nW
C77	CK45FB1H471K	MYLAR	470PF	K
C78, 79	CK45FB1H102J	CERAMIC	1000PF	J
C80, 81	CK45FB1H103Z	MYLAR	0.010UF	Z
C82, 83	CK45FF1H102J	CERAMIC	220PF	J
C84	C91-0749-05	CERAMIC	220PF	J
C86	CE04KW1H2R2M	ELECTRO	2.2UF	50nW
C87, 88	CK45FF2H103P	CERAMIC	0.010UF	P
C89	CE04KW1H010M	ELECTRO	1.0UF	50nW
C90	C935FMG1H682J	MYLAR	6800PF	J
C95	CK45FF1H103Z	CERAMIC	0.010UF	Z
C98	CK45FB1H2R2M	ELECTRO	1000PF	K
C101, 102	CE04KW1H010M	ELECTRO	1.0UF	50nW
C103, 104	C935FMG1H102J	MYLAR	1000PF	J
C109, 110	CE04KW1A101M	ELECTRO	100PF	J
C111, 112	CK45FF1H101J	CERAMIC	100PF	J
C113, 114	CE04KW2A010M	ELECTRO	1.0UF	100nW
C115, 116	CK45FB1H471K	CERAMIC	470PF	K
C119, 120	CK45FFSL1H220J	MYLAR	12PF	TE
C121, 122	CK45FFSL1H80J	CERAMIC	18PF	KP+XMC
C121, 122	CK45FFSL2H470J	CERAMIC	47PF	J
C125-128	CK45FF1H103Z	CERAMIC	68PF	TE
C129	C935FMG1H123J	MYLAR	0.010UF	Z
C129	C935FMG1H1562J	MYLAR	0.012UF	J
C131, 132	C935FMG1H104J	MYLAR	3600PF	J
C133, 134	C935FMG1H183J	MYLAR	0.018UF	J
C139	C935FMG1H123J	MYLAR	0.012UF	J
C140	CK45FB1H102K	CERAMIC	1000PF	K
C141, 142	CE04KW1H010M	ELECTRO	1.0UF	50nW
C143, 144	C935FMG1H102J	MYLAR	1000PF	J
C145	CK45FB1H471K	CERAMIC	470PF	K

KR-V7080/V8080

PARTS LIST

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Ref. No.	Add- ress	Parts No.	Description	Parts No.	Description	Desti- nation	Re- marks
C319,320		CQ93FM/G1H273J	MYLAR	0.027UF	J	TE	
C321		CK73FB1H103K	CHIP C	0.010UF	K	TE	
C321		CQ93FM/G1H163J	MYLAR	0.024UF	J	YXMC	
C321		CQ93FM/G1H243J	MYLAR	100PF	J	KP	
C322		CC73FSL1H101J	CHIP C			TE	
C322		CQ93FM/G1H163J	MYLAR	0.016UF	J	YXMC	
C322		CK73FB1H103J	MYLAR	0.024UF	J	KP	
C322		CE04KW1H010M	ELECTRO	1.0UF	50WV	TE	
C322		CE04KW1H02M	ELECTRO	2.2UF	50WV	TE	
C322		CE04KW1H02M	ELECTRO	2.2UF	50WV	TE	
C323		CE04KW1H02M	ELECTRO	3.3UF	50WV	KP	
C323		CE04KW1H02M	ELECTRO	10UF	16WV	K	
C323		CE04KW1H02M	ELECTRO	5600PF	K	KP	
C323		CE04KW1H02M	ELECTRO	5600PF	K	KP	
C324		CE04KW1H02M	ELECTRO	0.047UF	J	KP	
C324		CE04KW1H3R3M	ELECTRO	15PF	16WV	J	
C325		CE04KW1H02M	ELECTRO	10UF	16WV	K	
C325		CK73FB1H243J	CHIP C	5600PF	K	KP	
C326		CK73FB1H562K	CHIP C	5600PF	K	KP	
C327		CK73FB1H562K	CHIP C	0.047UF	J	KP	
C328		CC73FSL1H150J	CHIP C	0.047UF	K	KP	
C328		CE04KW1C100M	ELECTRO	15PF	16WV	K	
C329		CE04KW1H010M	ELECTRO	10UF	16WV	K	
C330		CE04KW1A473M	ELECTRO	47UF	10WV	KP	
C331		CK73FB1E473K	CHIP C	0.047UF	K	KP	
C331		CK73FB1H103K	CHIP C	0.010UF	K	KP	
C332		CK73FB1H103K	CHIP C	27PF	J	KP	
C332		CK73FB1H103K	CHIP C	22PF	J	KP	
C332		CC73FCH1H270J	CHIP C	100PF	J	TE	
C333		CC73FSL1H101J	CHIP C	470PF	K	KP	
C333		CK73FB1H471K	CHIP C	470PF	K	KP	
C333		CK73FB1H471K	CHIP C	0.022UF	K	KP	
C338		CK73FB1H471K	CHIP C	47UF	16WV	KP	
C338		CE04KW1C470M	ELECTRO	47UF	16WV	KP	
C339		CK73FB1H223K	CHIP C	0.022UF	K	KP	
C340		CQ93FM/G1H223J	MYLAR	0.022UF	J	TE	
C341		CE04HW1H2R2M	NP-ELEC	2.2UF	50WV	TE	
C341		CE04KW1H010M	ELECTRO	0.010UF	K	KP	
C342,343		CK73FB1H103K	CHIP C	0.010UF	K	KP	
C344		CE04KW1A470M	ELECTRO	47UF	10WV	TE	
C345		CE04KW1C470M	ELECTRO	47UF	16WV	TE	
C346		CK73FB1H103K	CHIP C	0.010UF	K	KP	
C346		CE04KW1H010M	ELECTRO	1.0UF	50WV	TE	
C348		CE04KW1H010M	ELECTRO	0.010UF	K	KP	
C349		CK73FB1H103K	CHIP C	0.010UF	K	KP	
C349		CC73FCH1H330J	CHIP C	33PF	J	TE	
C350		C91-0759-05	CERAMIC	0.010UF	K	KP	
C351		CE04KW1H010M	ELECTRO	1.0UF	50WV	TE	
C351		CK73FB1H102K	CHIP C	1000PF	K	KP	
C351		CE04KW1C470M	ELECTRO	47UF	16WV	TE	
C352		CK73FB1H102K	CHIP C	1000PF	K	TE	
C352		CK73FB1H102K	CHIP C	1000PF	K	TE	
C355		CK73FB1H222K	CHIP C	6.0PF	D	TE	
C356		CC73FCH1H060D	CHIP C	6.0PF	J	TE	
C357		CC73FCH1H220J	CHIP C	22PF	J	TE	
C358		CK73FB1E473K	CHIP C	0.047UF	K	TE	
C359		CK73FB1H102K	CHIP C	1000PF	K	TE	
C360		CC73FCH1H01J	CHIP C	1000PF	K	TE	
C361		C91-0755-05	CERAMIC	100PF	K	TE	
C362		CC45FSL1H02C	CERAMIC	2.0PF	C	TE	

L : Scandinavia
P : Canada
C : China
K : USA
T : Europe
Y : Asia/Pacific (Europe)
X : Australia
M : Other Areas
7 : KR-V7080
8 : KR-V8080
P : Canada
E : Europe
T : Europe
X : Asia/Pacific (Europe)
Y : Australia
M : Other Areas
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KP indicates safety critical components.

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Ref. No.	Add- ress	Parts No.	Description	Parts No.	Description	Desti- nation	Re- marks
C319,320		CQ93FM/G1H273J	MYLAR	0.027UF	J	TE	
C321		CK73FB1H103K	CHIP C	0.010UF	K	TE	
C321		CQ93FM/G1H163J	MYLAR	0.024UF	J	YXMC	
C321		CC73FSL1H101J	CHIP C	100PF	J	KP	
C322		CQ93FM/G1H163J	MYLAR	0.016UF	J	YXMC	
C322		CK73FB1H103J	CHIP C	0.024UF	J	KP	
C322		CE04KW1H010M	ELECTRO	1.0UF	50WV	TE	
C322		CK73FB1E473K	CHIP C	2.2UF	50WV	TE	
C322		CE04KW1H02M	ELECTRO	2.2UF	50WV	TE	
C323		CE04KW1H02M	ELECTRO	3.3UF	50WV	KP	
C323		CK73FB1H101J	CHIP C	10UF	16WV	K	
C323		CE04KW1C422	ELECTRO	5600PF	K	KP	
C323		CK73FB1H101J	CHIP C	5600PF	K	KP	
C324		CE04KW1H02M	ELECTRO	0.047UF	J	KP	
C324		CK73FB1H101J	CHIP C	0.047UF	J	KP	
C325		CE04KW1H02M	ELECTRO	15PF	16WV	J	
C325		CK73FB1H101J	CHIP C	5600PF	K	KP	
C326		CK73FB1H101J	CHIP C	5600PF	K	KP	
C327		CK73FB1H101J	CHIP C	0.047UF	J	KP	
C328		CC73FSL1H150J	CHIP C	0.047UF	K	KP	
C328		CE04KW1C100M	ELECTRO	10UF	16WV	K	
C329		CE04KW1H010M	ELECTRO	47UF	10WV	KP	
C330		CE04KW1A473M	ELECTRO	27PF	J	KP	
C331		CK73FB1E473K	CHIP C	100PF	J	TE	
C331		CK73FB1H103K	CHIP C	470PF	K	KP	
C332		CC73FCH1H220J	CHIP C	470PF	K	KP	
C332		CC73FSL1H101J	CHIP C	0.022UF	K	KP	
C333		CK73FB1H103K	CHIP C	47UF	16WV	K	
C333		CE04KW1C470M	ELECTRO	47UF	16WV	K	
C338		CK73FB1H223K	CHIP C	0.022UF	K	KP	
C339		CK73FB1H223K	CHIP C	47UF	16WV	K	
C340		CQ93FM/G1H223J	MYLAR	0.022UF	J	TE	
C341		CE04HW1H2R2M	NP-ELEC	2.2UF	50WV	TE	
C341		CE04KW1H010M	ELECTRO	0.010UF	K	KP	
C342,343		CK73FB1H103K	CHIP C	0.010UF	K	KP	
C344		CE04KW1A470M	ELECTRO	47UF	10WV	TE	
C345		CE04KW1C470M	ELECTRO	47UF	16WV	TE	
C346		CK73FB1H103K	CHIP C	0.010UF	K	KP	
C346		CE04KW1H010M	ELECTRO	1.0UF	50WV	TE	
C348		CE04KW1H010M	ELECTRO	1.0UF	50WV	TE	
C349		CK73FB1H103K	CHIP C	0.010UF	K	KP	
C350		CC73FCH1H330J	CHIP C	33PF	J	TE	
C351		C91-0759-05	CERAMIC	0.010UF	K	KP	
C351		CE04KW1H010M	ELECTRO	1.0UF	50WV	TE	
C351		CK73FB1H102K	CHIP C	1000PF	K	KP	
C351		CE04KW1C470M	ELECTRO	47UF	16WV	TE	
C352		CK73FB1H102K	CHIP C	1000PF	K	TE	
C352		CK73FB1H102K	CHIP C	1000PF	K	TE	
C355		CK73FB1H222K	CHIP C	6.0PF	D	TE	
C356		CC73FCH1H060D	CHIP C	6.0PF	J	TE	
C357		CC73FCH1H220J	CHIP C	22PF	J	TE	
C358		CK73FB1E473K	CHIP C	0.047UF	K	TE	
C359		CK73FB1H102K	CHIP C	1000PF	K	TE	
C360		CC73FCH1H01J	CHIP C	1000PF	K	TE	
C361		C91-0755-05	CERAMIC	100PF	K	TE	
C362		CC45FSL1H02C	CERAMIC	2.0PF	C	TE	
C353,354		CK73FB1H102K	CHIP C	1000PF	K	TE	
C355		CK73FB1H102K	CHIP C	1000PF	K	TE	
C356		CC73FCH1H060D	CHIP C	6.0PF	D	TE	
C357		CC73FCH1H220J	CHIP C	22PF	J	TE	
C358		CK73FB1E473K	CHIP C	0.047UF	K	TE	
C359		CK73FB1H102K	CHIP C	1000PF	K	TE	
C360		CC73FCH1H01J	CHIP C	1000PF	K	TE	
C361		C91-0755-05	CERAMIC	100PF	K	TE	
C362		CC45FSL1H02C	CERAMIC	2.0PF	C	TE	

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KR-V7080/V8080

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* New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

Ref. No	Add- ress	Parts No.	Description	Desig- nation	Re- marks	Ref. No	Add- ress	Parts No.	Description	Desig- nation	Re- marks
R321,322		RK73FB2A122J	CHIP R	1.2K	J 1/10W	R381		RK73FB2A563J	CHIP R	56K	J 1/10W
R323		RK73FB2A393J	CHIP R	39K	J 1/10W	R384		RK73FB2A101J	CHIP R	100	J 1/10W
R324		RK73FB2A472J	CHIP R	4.7K	J 1/10W	R401,402		RK73FB2A333J	CHIP R	38K	J 1/10W
R324		RK73FB2A102J	CHIP R	4.0K	J 1/10W	R405,406		RK73FB2A125J	CHIP R	12K	J 1/10W
R324		RK73FB2A72J	CHIP R	4.7K	J 1/10W	R411		RD14NB2E470J	RD	47	J 1/4W
R325		RK73FB2A103J	CHIP R	10K	J 1/10W	R418		RK73FB2A122J	CHIP R	1.2K	J 1/10W
R325		RK73FB2A361J	CHIP R	560	J 1/10W	R419		RK73FB2A123J	CHIP R	12K	J 1/10W
R326		RK73FB2A72J	CHIP R	4.7K	J 1/10W	R422		RK73FB2A122J	CHIP R	1.2K	J 1/10W
R327		RK73FB2A73J	CHIP R	47K	J 1/10W	R423		RK73FB2A123J	CHIP R	10K	J 1/10W
R328		RK73FB2A821J	CHIP R	820	J 1/10W	R424		RK73FB2A103J	CHIP R	10K	J 1/10W
R329,330	△	RK73FB2A102J	CHIP R	1.0K	J 1/10W	R425,426		RK73FB2A332J	CHIP R	3.3K	J 1/10W
R331		RK73FB2A822J	CHIP R	8.2K	J 1/10W	R427,428		RD14NB2E101J	RD	100	J 1/4W
R332		RK73FB2D221J	FL-PROOF RS	220	J 1/10W	R431,432		RK73FB2A393J	CHIP R	39K	J 1/10W
R333		RK73FB2A102J	CHIP R	4.7K	J 1/10W	R438,439		RK73FB2A561J	CHIP R	560	J 1/10W
R333		RK73FB2A72J	CHIP R	4.7K	J 1/10W	R440,441		RK73FB2A473J	CHIP R	47K	J 1/10W
R334		RK73FB2A104J	CHIP R	100K	J 1/10W	R451		RK73FB2A821J	CHIP R	820	J 1/10W
R335		RK73FB2A102J	CHIP R	1.0K	J 1/10W	R452		RK73FB2A472J	CHIP R	4.7K	J 1/10W
R335		RK73FB2A72J	CHIP R	4.7K	J 1/10W	R453		RK73FB2A102J	CHIP R	1.0K	J 1/10W
R336,337		RK73FB2A102J	CHIP R	1.0K	J 1/10W	R457		RK73FB2A104J	CHIP R	100K	J 1/10W
R338		RK73FB2A221J	CHIP R	220	J 1/10W	R467		RK73FB2A103J	CHIP R	10K	J 1/10W
R338		RK73FB2A822J	CHIP R	8.2K	J 1/10W	R501,502		RK73FB2A102J	CHIP R	1.0K	J 1/10W
R339		RK73FB2A72J	CHIP R	1.0K	J 1/10W	R509		RK73FB2A473J	CHIP R	47K	J 1/10W
R340		RK73FB2A71J	CHIP R	470	J 1/10W	R510		RK73FB2A102J	CHIP R	1.0K	J 1/10W
R341		RK73FB2A821J	CHIP R	820	J 1/10W	R511		RK73FB2A222J	CHIP R	2.2K	J 1/10W
R342	△	RD14NB2E101J	RD	100	J 1/10W	R512		RK73FB2A473J	CHIP R	47K	J 1/10W
R343		RK73FB2A103J	CHIP R	10K	J 1/10W	R513		RK73FB2A100J	CHIP R	10	J 1/10W
R344		RK73FB2B221J	CHIP R	220	J 1/10W	R514		RK73FB2A223J	CHIP R	22K	J 1/10W
R345		RK73FB2A122J	CHIP R	1.2K	J 1/10W	R518		RK73FB2A393J	CHIP R	39K	J 1/10W
R346		RK73FB2A50J	CHIP R	75	J 1/10W	R519		RK73FB2A105J	CHIP R	1.0M	J 1/10W
R347		RK73FB2A681J	CHIP R	680	J 1/10W	R521		RK73FB2A473J	CHIP R	47K	J 1/10W
R348		RK73FB2A621J	CHIP R	620	J 1/10W	R522		RK73FB2A102J	CHIP R	1.0K	J 1/10W
R349		RK73FB2A104J	CHIP R	470	J 1/10W	R523		RK73FB2A222J	CHIP R	2.2K	J 1/10W
R350		RK73FB2A71J	CHIP R	180	J 1/10W	R524		RK73FB2A473J	CHIP R	47K	J 1/10W
R351		RK73FB2A81J	CHIP R	100K	J 1/10W	R525		RK73FB2A100J	CHIP R	10	J 1/10W
R352		RK73FB2A104J	CHIP R	100K	J 1/10W	R526,527		RK73FB2A104J	CHIP R	100K	J 1/10W
R353		RK73FB2A103J	CHIP R	4.7K	J 1/10W	R528		RK73FB2A223J	CHIP R	22K	J 1/10W
R353		RK73FB2A223J	CHIP R	10K	J 1/10W	R531,532		RK73FB2A104J	CHIP R	100K	J 1/10W
R355		RK73FB2A104J	CHIP R	22K	J 1/10W	R557		RK73FB2A223J	CHIP R	100K	J 1/10W
R356		RK73FB2A104J	CHIP R	100K	J 1/10W	R601		RK73FB2A102J	CHIP R	1.0K	J 1/10W
R357		RK73FB2A104J	CHIP R	47K	J 1/10W	R602		RK73FB2A104J	CHIP R	2.2K	J 1/10W
R358		RK73FB2A103J	CHIP R	100K	J 1/10W	R603		RK73FB2A223J	CHIP R	3.3K	J 1/10W
R361		RK73FB2A223J	CHIP R	1.2K	J 1/10W	R604		RK73FB2A104J	CHIP R	10K	J 1/10W
R362		RK73FB2A123J	CHIP R	12K	J 1/10W	R606		RK73FB2A102J	CHIP R	1.0K	J 1/10W
R363		RK73FB2A104J	CHIP R	1.2K	J 1/10W	R607		RS14KBSD270J	FL-PROOF RS	27	2W
R364		RK73FB2A104J	CHIP R	100K	J 1/10W	R701-704		RK73FB2A750J	CHIP R	75	J 1/10W
R364		RK73FB2A123J	CHIP R	12K	J 1/10W	R705,706		RK73FB2A332J	CHIP R	390	J 1W
R365		RK73FB2A683J	CHIP R	68K	J 1/10W	R707,708		RS14KBSD391J	FL-PROOF RS	0 OHM	0 OHM
R366		RK73FB2A73J	CHIP R	47K	J 1/10W	W201		R92-0679-05	CHIP R	0 OHM	0 OHM
R367		RK73FB2A104J	CHIP R	100K	J 1/10W	W300		R92-0679-05	CHIP R	0 OHM	0 OHM
R368		RK73FB2A102J	CHIP R	1.0K	J 1/10W	W401		R92-0670-05	CHIP R	0 OHM	0 OHM
R369		RK73FB2A104J	CHIP R	100K	J 1/10W	W406		R92-0670-05	CHIP R	0 OHM	0 OHM
R370		RK73FB2A102J	CHIP R	1.0K	J 1/10W	W44-411		R92-0670-05	CHIP R	0 OHM	0 OHM
R371		RK73FB2A73J	CHIP R	47	J 1/10W	W44-416		R92-0670-05	CHIP R	0 OHM	0 OHM
R378		RD14NB2E470J	RD	220	J 1/10W	W418,419		R92-0670-05	CHIP R	0 OHM	0 OHM
R379		RS14KBSD221J	FL-PROOF RS								

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Y : AAFFES(Europe) X : Australia
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7 : KR-V7080
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R381		RK73FB2A101J	CHIP R	100	J 1/10W	R384		RK73FB2A123J	CHIP R	12K	J 1/10W
R401,402		RK73FB2A333J	CHIP R	38K	J 1/10W	R405,406		RK73FB2A104J	CHIP R	12K	J 1/10W
R411		RK73FB2A102J	RD	47	J 1/4W	R418		RK73FB2A122J	CHIP R	1.2K	J 1/10W
R418		RK73FB2A122J	CHIP R	1.2K	J 1/10W	R419		RK73FB2A122J	CHIP R	1.2K	J 1/10W
R422		RK73FB2A122J	CHIP R	1.2K	J 1/10W	R423		RK73FB2A122J	CHIP R	1.2K	J 1/10W
R423		RK73FB2A122J	CHIP R	1.2K	J 1/10W	R424		RK73FB2A122J	CHIP R	1.2K	J 1/10W
R424		RK73FB2A122J	CHIP R	1.2K	J 1/10W	R425,426		RK73FB2A122J	CHIP R	1.2K	J 1/10W
R425,426		RK73FB2A122J	FL-PROOF RS	220	J 1/10W	R427,428		RK73FB2A122J	CHIP R	1.2K	J 1/10W
R427,428		RK73FB2A122J	FL-PROOF RS	220	J 1/10W	R429,430		RK73FB2A122J	CHIP R	1.2K	J 1/10W
R429,430		RK73FB2A122J	FL-PROOF RS	220	J 1/10W	R431,432		RK73FB2A122J	CHIP R	1.2K	J 1/10W
R431,432		RK73FB2A122J	FL-PROOF RS	220	J 1/10W	R438,439		RK73FB2A122J	CHIP R	1.2K	J 1/10W
R438,439		RK73FB2A122J	FL-PROOF RS	220	J 1/10W	R440,441		RK73FB2A122J	CHIP R	1.2K	J 1/10W
R440,441		RK73FB2A122J	FL-PROOF RS	220	J 1/10W	R442,443		RK73FB2A122J	CHIP R	1.2K	J 1/10W
R442,443		RK73FB2A122J	FL-PROOF RS	220	J 1/10W	R447		RK73FB2A122J	CHIP R	1.2K	J 1/10W
R447		RK73FB2A122J	FL-PROOF RS	220	J 1/10W	R451		RK73FB2A122J	CHIP R	1.2K	J 1/10W
R451		RK73FB2A122J	FL-PROOF RS	220	J 1/10W	R452		RK73FB2A122J	CHIP R	1.2K	J 1/10W
R452		RK73FB2A122J	FL-PROOF RS	220	J 1/10W	R457		RK73FB2A122J	CHIP R	1.2K	J 1/10W
R457		RK73FB2A122J	FL-PROOF RS	220	J 1/10W	R467		RK73FB2A122J	CHIP R	1.2K	J 1/10W
R467		RK73FB2A122J	FL-PROOF RS	220	J 1/10W	R501,502		RK73FB2A122J	CHIP R	1.2K	J 1/10W
R501,502		RK73FB2A122J	FL-PROOF RS	220	J 1/10W	R509		RK73FB2A122J	CHIP R	1.2K	J 1/10W
R509		RK73FB2A122J	FL-PROOF RS	220	J 1/10W	R510		RK73FB2A122J	CHIP R	1.2K	J 1/10W
R510		RK73FB2A122J	FL-PROOF RS	220	J 1/10W	R511		RK73FB2A122J	CHIP R	1.2K	J 1/10W
R511		RK73FB2A122J	FL-PROOF RS	220	J 1/10W	R512		RK73FB2A122J	CHIP R	1.2K	J 1/10W
R512		RK73FB2A122J	FL-PROOF RS	220	J 1/10W	R513		RK73FB2A122J	CHIP R	1.2K	J 1/10W
R513		RK73FB2A122J	FL-PROOF RS	220	J 1/10W	R514		RK73FB2A122J	CHIP R	1.2K	J 1/10W
R514		RK73FB2A122J	FL-PROOF RS	220	J 1/10W	R518		RK73FB2A122J	CHIP R	1.2K	J 1/10W
R518		RK73FB2A122J	FL-PROOF RS	220	J 1/10W	R519		RK73FB2A122J	CHIP R	1.2K	J 1/10W
R519		RK73FB2A122J	FL-PROOF RS	220	J 1/10W	R525		RK73FB2A122J	CHIP R	1.2K	J 1/10W
R525		RK73FB2A122J	FL-PROOF RS	220	J 1/10W	R526,527		RK73FB2A223J	CHIP R	2.2K	J 1/10W
R526,527		RK73FB2A122J	FL-PROOF RS	220	J 1/10W	R528		RK73FB2A223J	CHIP R	3.3K	J 1/10W
R528		RK73FB2A122J	FL-PROOF RS	220	J 1/10W	R531,532		RK73FB2A123J	CHIP R	10K	J 1/10W
R531,532		RK73FB2A122J	FL-PROOF RS	220	J 1/10W	R557		RK73FB2A123J	CHIP R	100K	J 1/10W
R557		RK73FB2A122J	FL-PROOF RS	220	J 1/10W	R601		RK73FB2A123J	CHIP R	1.0K	J 1/10W
R601		RK73FB2A122J	FL-PROOF RS	220	J 1/10W	R602		RK73FB2A223J	CHIP R	2.2K	J 1

KR-V7080/V8080

PARTS LIST

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* New Parts Parts without **Parts No.** are not supplied.
Les articles non mentionnés dans les **Parts No.** ne sont pas fournis.
Teile ohne **Teile-Nr.** werden nicht geliefert.

* New Parts
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Les articles sans numéros dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

8

Ref. No	Add- res	New Parts	Parts No.	Description	Desti- nation	Re- marks
W420.421			R82-0670-05	CHIP R	0 OHM	TE
W422			R82-0670-05	CHIP R	0 OHM	KPYXMC
W426			R82-0670-05	CHIP R	0 OHM	KPYXMC
W446			R82-0670-05	CHIP R	0 OHM	KPYXMC
W448			R82-0670-05	CHIP R	0 OHM	KPYXMC
W501.502			R82-0679-05	CHIP R	0 OHM	YMC
W503			R82-0679-05	CHIP R	0 OHM	TE
W504			R82-0679-05	CHIP R	0 OHM	KPYXMC
W505-508			R82-0679-05	CHIP R	0 OHM	KPYXMC
W510-512			R82-0679-05	CHIP R	0 OHM	
S1	S2-4		S70-0031-05	TACT SWITCH (REMOTE POWER)	TE	
S37	S5-36		S70-0031-05	TACT SWITCH (RDS)		
S88	S39		S70-0031-05	TACT SWITCH (MAIN POWER)		
S401			S62-0034-05	PUSH SWITCH (DE-EMPHASIS)		
D1	D1		T99-0559-05	ROTARY ENCODER(VOLUME CONTROL)	YMC	
D1	D2-3		T99-0571-05	ROTARY ENCODER(INPUT SELECTOR)		
D4	D2-3		HZS6.2N(B2)	ZENER DIODE		
D4	D4		R06.2ES(B2)	ZENER DIODE		
D6,7	D6,7		HSS104	DIODE	YMC	
D8	D8		ISS133	DIODE	YMC	
D9-14	D9-14		MA111	DIODE	YMC	
D16	D16		HSS104A	DIODE	YMC	
D21-28	D21-28		ISS131	DIODE	YMC	
D29			HSS104A	DIODE	YMC	
D29			ISS131	DIODE	YMC	
D29			HSS104A	DIODE	YMC	
D31	D31		ISS131	DIODE	YMC	
D31	D32-35		ISS131	DIODE	YMC	
D32-35	D32-35		HSS104	DIODE	YMC	
D301.302	D301.302		ISS133	DIODE	YMC	
D303	D303		HZS5.1N(B2)	ZENER DIODE	TE	
D303	D303		R05.1ES(B2)	ZENER DIODE	TE	
D304	D304		HZS3.3N(B2)	ZENER DIODE	TE	
D304	D304		R03.3ES(B2)	ZENER DIODE	TE	
D305	D305		RD8.2E(B2)	ZENER DIODE	TE	
D305	D305		HSS104	DIODE	TE	
D305	D305		ISS133	DIODE	TE	
D306	D306		HZS3.3N(B2)	ZENER DIODE	TE	
D306	D306		RD3.3ES(B2)	ZENER DIODE	TE	
D307	D307		HSS104	DIODE	TE	
D307	D307		MA111	DIODE	TE	
D307	D307		ISS133	DIODE	TE	
D308	D308		HSS104	DIODE	TE	
D308	D308		ISS133	DIODE	TE	

P : Canada
E : Europe
M : Other Areas
K : USA
T : Europe
X : Australia
Y : PX(Far East, Hawaii)
Z : Scandinavia
AAFEIS(Europe)

7 : KR-V7080
8 : KR-V8080

7 : KR-V7080
8 : KR-V8080

Chin

C: Other Areas

K : USA **P** : Can
T : Europe **E** : Eur
X : Australia **M** : Ott

L : Scandinavia
Y : PX(Far East, Hawaii)
Y : AAFFE(S(Europe))

080
080

7 : KR-V7
8 : KR-V8

C : China
Europe
Other Areas

ii) **K** : USA **P** : Canada
T : Europe **E** : Europe
X : Australia **M** : Other

■ : Scandinavia
■ : PX(Far East, Hawaii)
■ : AAFFE(S(Europe))

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KR-V7080/V8080

PARTS LIST

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* New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

Ref. No	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
Q312			2SD1757K	TRANSISTOR	TE	
Q316			2SC4081(R,S)	TRANSISTOR	TE	
Q316		*	2SC4116(Y,GR)	TRANSISTOR	TE	
Q317			2SA1576A(R,S)	TRANSISTOR	TE	
Q317			2SA1586(Y,GR)	TRANSISTOR	TE	
Q318			2SC4081(R,S)	TRANSISTOR	TE	
Q318		*	2SC4116(Y,GR)	TRANSISTOR	KPYXMC	
Q402		*	2SA1576A(R,S)	TRANSISTOR	KPYXMC	
Q402		*	2SA1586(Y,GR)	TRANSISTOR	KPYXMC	
Q404		*	2SA1576A(R,S)	TRANSISTOR	KPYXMC	
Q404			2SA1586(Y,GR)	TRANSISTOR	KPYXMC	
Q407,408			2SC4081(R,S)	TRANSISTOR	YMC	
Q407,408			2SC4116(Y,GR)	TRANSISTOR	KPYXMC	
Q409,410			2SD1757K	TRANSISTOR	KPYXMC	
Q411		*	2SA1576A(R,S)	TRANSISTOR	KPYXMC	
Q411			2SA1586(Y,GR)	TRANSISTOR	KPYXMC	
Q601-603			DTC124EU	DIGITAL TRANSISTOR		
Q601-603			UN5212	TRANSISTOR		
Q604			2SC3940A(R,S)	TRANSISTOR		
Q604			2SD863(E,F)	TRANSISTOR		
A1			W02-1174-05	ELECTRIC CIRCUIT MODULE		
A301			W02-2509-05	FM FRONT-END ASSY		
A301			W02-2512-05	FM FRONT-END ASSY		
					TE	KPYXMC

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△ indicates safety critical components.

KR-V7080/V8080

SPECIFICATIONS

Audio section

Rated power output at the STEREO operation

100 watts per channel minimum RMS, both channels driven at 8 Ω, from 20 Hz to 20,000 Hz with no more than 0.06 % total harmonic distortion. (FTC)

Power output at the SURROUND operation

Front

100 watts per channel minimum RMS, both channels driven, at 8 Ω, 1 kHz with no more than 0.7 % total harmonic distortion. (FTC)

Center

100 watts minimum RMS at 8 Ω, 1 kHz with no more than 0.7 % total harmonic distortion. (FTC)

Rear

30 watts per channel minimum RMS, both channels driven, at 8 Ω, 1 kHz with no more than 0.7 % total harmonic distortion. (FTC)

Total harmonic distortion

..... 0.01 % (1 kHz, 50 W, 8 Ω)

Signal to noise ratio (IHF'66)

PHONO (MM) 75 dB

LINE (CD) 95 dB

Input sensitivity / impedance

PHONO (MM) 2.5 mV / 47 kΩ

CD, TAPE, VIDEO 200 mV / 47 kΩ

Tone controls

BASS ±8 dB (at 100 Hz)

TREBLE ±8 dB (at 10 kHz)

LOUDNESS control at -30 dB VOLUME level

..... +6 dB (100 Hz)

Output level / impedance

Subwoofer preout 1.0 V / 2.2 kΩ

Video section

VIDEO inputs / outputs (Composite) 1 Vp-p / 75 Ω

FM Tuner section

Tuning frequency range 87.5 MHz ~ 108 MHz

Usable sensitivity

MONO 1.2 µV (75 Ω) / 13.2 dBf
(75 kHz dev., S/N 30 dB)

50 dB quieting sensitivity

STEREO 32 µV (75 Ω) / 41.2 dBf
(75 kHz dev.)

Total harmonic distortion (1 kHz)

MONO 0.6 % (65.2 dBf input)

STEREO 0.7 % (65.2 dBf input)

Signal to noise ratio (1 kHz 75 kHz dev.)

MONO 75 dB (65.2 dBf input)

STEREO 68 dB (65.2 dBf input)

Stereo separation

1 kHz 40 dB

Selectivity (IHF ±400 kHz) 50 dB

Frequency response 30 Hz ~ 15 kHz, +0.5 dB, -3.0 dB

AM Tuner section

Tuning frequency range 530 kHz ~ 1,700 kHz

Usable sensitivity (30 % mod., S/N 20 dB)

..... 12 µV / (500 µV / m)

Signal to noise ratio (30 % mod., 1 mV input) 48 dB

Total harmonic distortion 0.7 %

Selectivity 30 dB

General

Power consumption 4 A

AC outlet

SWITCHED 2: (total 65 W, 0.54 A max.)

Dimensions W: 440 mm (17-5 / 16")

H: 148 mm (5-13 / 16")

D: 389 mm (15-5 / 16")

Weight (net) 10.2 kg (22.5 lb)